

cable 1946

Cooper Union

1946 cable

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The 1946 Cable

The Cooper Union for the Advancement of Science and Art

Astor Place, New York, N. Y.

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1946 *cab*le

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art

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faculty advisor

Cover design by Melvin Piperno





***dedicated to
the cooper union students
who served in world war II***

*I trust that a time will come
when the knowledge and ap-
plication of Science and Art
will elevate the hearts of men
above the tinselled joys and
groveling pursuits that now
so effectively engross their
thoughts.*

—Peter Cooper

trustees

The Board of Trustees is the policy-making body of The Cooper Union. It invests the income of The Cooper Union to the best possible advantage, and appropriates the money needed to sustain it.

In a letter accompanying the Trust Deed to the first Board of Trustees of The Cooper Union, Peter Cooper expresses his "cherished desire" that the five-man Trustee Board should "wisely guide the growth of the infant Cooper Union."

Gano Dunn, electrical engineer and President of The Cooper Union since 1935, was born in New York City and studied at The College of The City of New York and at Columbia University. Besides being the President of the J. G. White Engineering Corporation, he is trustee and director of a number of educational institutions and industrial and scientific corporations. Interested in international affairs, Mr. Dunn was active in the Pan-American Commercial Conference of 1927 and at the World Power Conference of 1936. He has also taken an active part in atomic energy research. For these and other undertakings, he has been awarded many honorary medals and degrees. He became a Trustee of The Cooper Union in 1924.

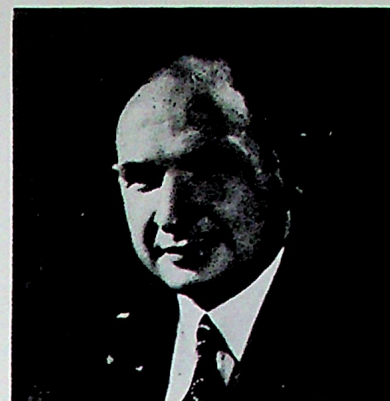
Elihu Root, Jr., son of the prominent international jurist, was born in New York City in 1881. He is a graduate of Hamilton College and studied law at Harvard University. Deeply interested in art and education, he is a trustee of the New York Public Library, the Metropolitan Museum of Art, and the Carnegie Corporation of New York. He was installed as a Trustee of The Cooper Union in 1929.

Walter S. Gifford, the President of the American Telephone and Telegraph Company, has been a trustee of The Cooper Union since 1931. He has received degrees from Harvard, Williams, Colgate, Oberlin, and Union College. Mr. Gifford has taken an active part in social service and education, and has written a number of books on economics and social welfare. He has also played an important role in international affairs as representative on the Inter-Allied Munitions Council in Paris in 1918, and as Chairman of the Red Cross War Fund Campaign of 1943. His cooperation with the War Department in the field of communications in World War II was of great value. He became a Trustee of The Cooper Union in 1931.

Barklie Henry is a graduate of Harvard and studied at Oxford. During the recent war he was a Lieut. Commander in the United States Naval Reserve. He is President of the Community Service Society, and director of the United States Trust Company of New York. He became a Trustee of The Cooper Union in 1935.

The most recently elected trustee is Irving S. Olds, who succeeded the late J. P. Morgan in 1943. He is a graduate of Yale and Harvard Law School. He was an assistant in the office of the Secretary of War in World War I and is Chairman of the Board of the United States Steel Corporation.

administration



DR. EDWIN S. BURDELL

Those of us who have had the opportunity to meet Dr. Burdell have been impressed by the warm and conscientious manner in which he endeavors to improve The Cooper Union. Recently, in his Annual Report, Dr. Burdell has clarified the policy of The Cooper Union towards the returning veteran. As a result of his suggestion, the school has now evolved a system which offers timely aid to ex-servicemen who show an interest in the courses offered. With keen and practical insight, he had given much attention to the long-term and the immediate needs of education, and he has led the way.

DEAN GEORGE F. BATEMAN

Among those who have done the most for The Cooper Union is George F. Bateman, an alumnus of The Cooper Union, and now the Dean of its Engineering School.

Despite the pressure of his work as Acting Dean, he found time to serve as the Chairman of the Faculty Committee on Student Relations, until he became Dean. He has always been interested in helping the students, and many take advantage of his advisory service.

In Dean Bateman, the Engineering School has a graduate that it can indeed be proud of!

DEAN DANA P. VAUGHN

The vacancy left by the death of the late Guy Gaylor Clark, Dean of the Art School, has been filled by Dana Prescott Vaughn.

The new Dean's training in the arts has been extensive. He was educated at the Massachusetts School of Art, Boston University, and the Philadelphia School of Industrial Arts, from which he graduated.

His prominence as a leader in the development of contemporary arts and crafts makes him an ideal man for the position of Dean of the Art School.

graduates

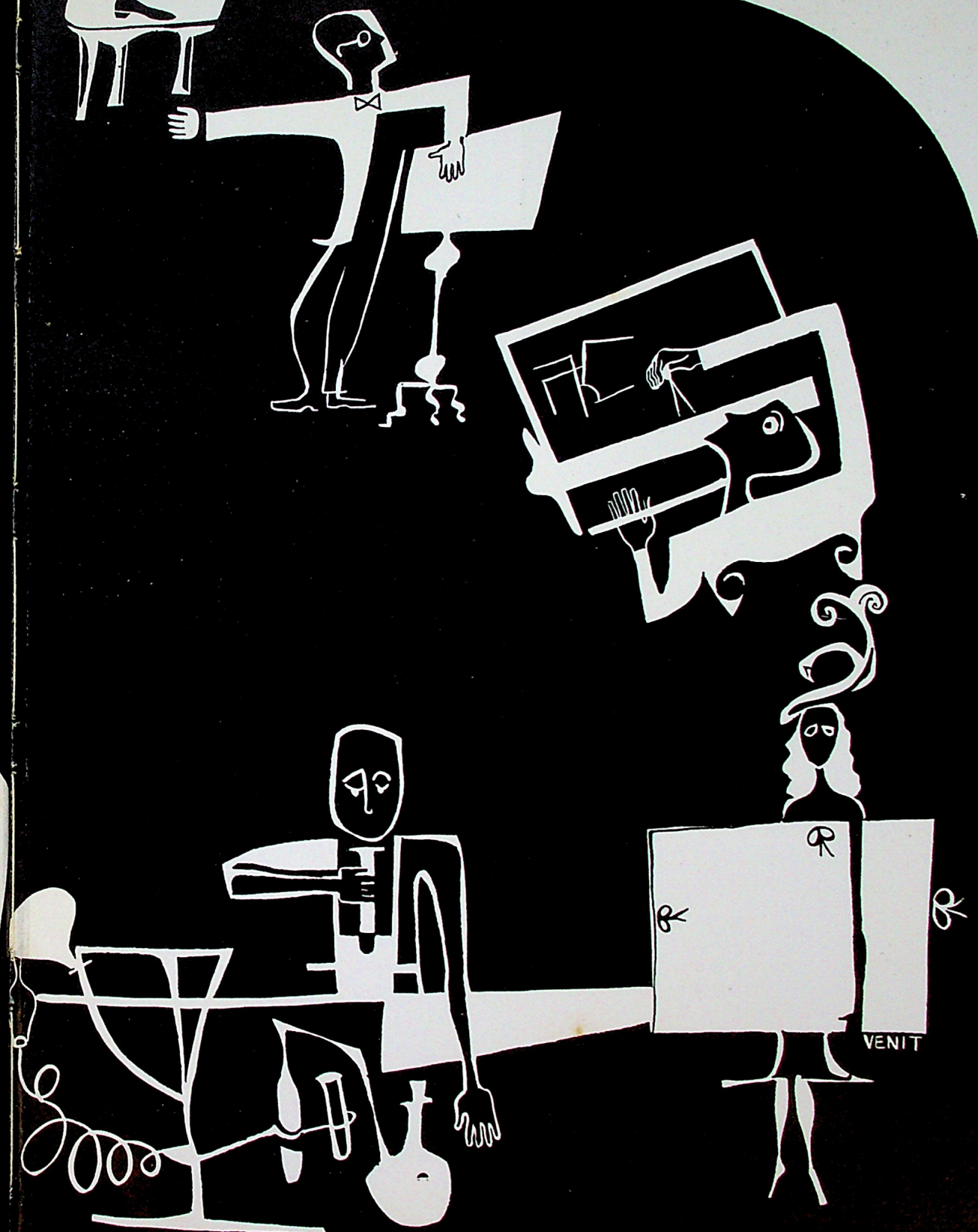


The tone of what to say seems a matter of balance. When our school here had begun its beginning, it was a completely happy thing to speak of. It was an anticipation with fairly planned ideas and perhaps formed better things to go with. Now the tone has been changed to one of mellow variety. A goodbye to a loved one is a sad beautiful poetry, the more happy may be the memory and the surrounding nostalgia.

For more levity, this school has had a cheerful musical note to it. The graduation seems the climax to the long-building crescendo. The friends we have made here are strong, and seem things that will not divide with time. For our friendships have been shared with the labors, and with the fruits of those labors. Being together and watching each other work, lightly and under pressure, gives assurance of how rather well we have come to not merely acquaint ourselves.

Leaving here, at the entrance of a new growth, we will have more decisions to mold, and we need not be too hesitant with our strengths, for they have had some background to have worked from. The learnings of our teachers, and advisors, will remain. The pain of learning, will develop itself to a more mature confidence. For this we are thankful, to you for your patience, well spent time, and guidance.

The object of life is to do good.
—Peter Cooper



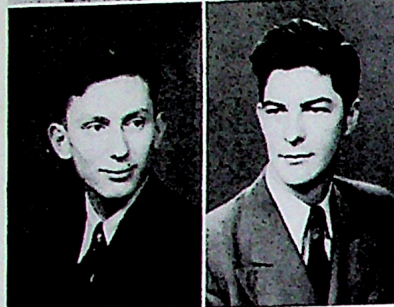
g r a d u a t e s



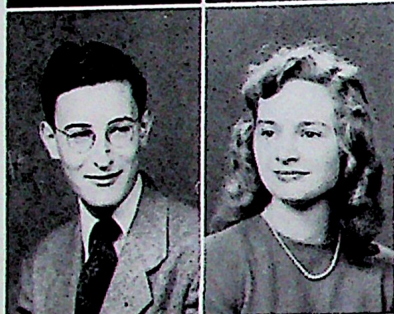
NORMAN AUSTERN Normy was first noticed refusing to cooperate decently by flunking Physics tests with everyone else. He now belongs to MAO, and is the editor-in-chief of the Pioneer.



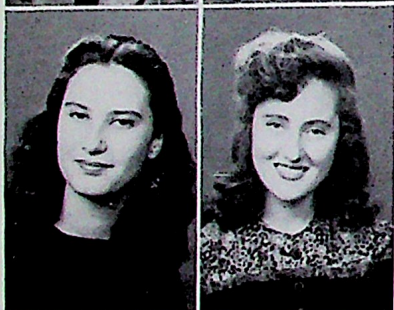
PHYLLIS BELOUS Cooper Union's pride and joy, Phyllis is the first female M.E. to graduate from Cooper. Both charming and energetic, she has taken a major part in school activities.



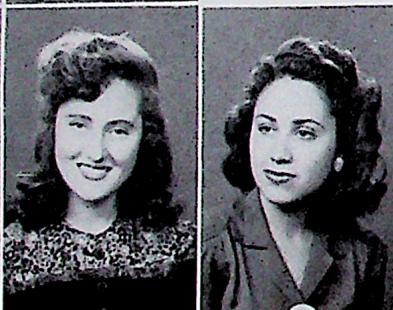
LEO BIRENBAUM Leo, the youngest member of his class, has gone his way quietly without fear of Draft Boards. He is president of the Math Club and belongs to MAO.



EUGENE TORGOW Head of the Debating Society and former chairman of the War Activities Committee, Gene still talks of the Bendix Salinity Indicator—his hobby.



SHYRLEE ADAMS Soft, sweet and kind, Shyrlee is one of our dark-haired girls with definite direction.



LEILA COHEN "Lee" has danced her merry way through four successful years at Cooper. Her fondest wish is a painting studio of her own.



ISABEL COLON She's Spanish and a whiz at lettering. Favorite word is neat, and she's that way too.



MARIE CRACO Pixie-like and friendly, she spends half of her days riding back and forth with Terry to the Bronx.



MARIE CROLY "Betty's" return to Great Neck and further architectural education after graduation will be Cooper Union's loss. She loves Green Camp weekends.

PRISCILLA BENDER Is our best of the female variety. Prissy is a painter and a woman too!

BARRE BOWNE Gentle, pretty, and well dressed, "the lady of our class" was married only a few months ago.

ROBERT BROWN His chief loves are Architecture and women. With women it's "Variety is the spice of life"—but his Architecture is consistently good.

MATILDA BURGEMAN A beautiful, fine, industrious, brilliant, talented, clever, good-natured, cultured, intelligent, honorable girl.



DANIEL DICKERSON He thinks much more than he will say or even admit. He paints with order and strength.



CORINNE DOHI She's an artist who works seriously and with loads of color. She carries on with colorful humor and a swell disposition.



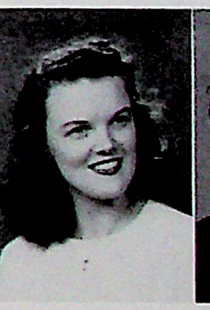
GLADYS DORRANCE Gladys blossoms out in red, green, and purple stockings — maybe that's why she's called Gladiola. She, Rola, and a guitar are inseparable.



SEYMOUR DRUM Four years of painting and Seymour has walked off with most of the prizes. He also intends to walk off with a bride.



LEONORE ELORDUY Adds color to The Cooper Union. Her own loveliness plus the bright orange.



ANDREA ERICSON The photogenic type, combined with a beautiful voice, "outdoor girl" Andrea is going to be a great success.



CLAIRE FERGENSON She's another of our dark-haired girls, beautiful and pert — an artist who could find inspiration from herself as model.

ELVIA FERNANDEZ Pure Spanish, mind you! She's swell as architect and class president, but she missed her real calling by not becoming a comedienne.



JUNE FLEISHER Another black-haired girl with a big smile. She'll really go someplace in advertising.



GLORIA FOPPIANI Gloria has done exceptionally well in her four years at Cooper. Her graduation will be Cooper's loss.



CHARLES GARDNER How shall we rank thee upon glory's page, Thou more than soldier, and lots less than sage.



IRWIN FISCHER Clem looks like the hill-billy type, but he's a camera fiend and a walking encyclopedia. He's interested in tall girls only!



LILLIAN FOGEL "Lil" hates early mornings in any form, but is a passionate lover of the open road and intends to follow her painting after graduation.



CELIA FRIEDENTHAL Celia's our prefab specialist. Her collection of Camp Green photos will remind her of happy days at Cooper, while she pursues further education.



CLAIRE GINSBERG "Ginsile" plans to continue in another school before she resorts to teaching little ones about art.



BEATRICE GOLDBERG One of the more exotic night students, Beatrice is fascinated by the etching and lithography she does in Mr. Barnett's class.

FLORENCE GREENGOLD "Flossie's" dentist father couldn't have a better ad than her million-dollar smile. She's a looker, a worker, and can she swim!

BERNICE GREENWALD She's a tall pear-shaped girl with an unfathomable artistic talent, and a weird laugh.

HARRIET GREIF Harriet, winner of the Graphic Art award last year, has every intention of keeping on her painting smock after graduation.

DOROTHY HYMAN A snappy fashion major, Dottie loves the outdoors, especially where there's plenty of it.

MURRAY JACOBS Jake is a charter member of the RAMW Fours. After graduation, he'll hop a BMT for Brooklyn via McSorley's.

g r a d u a t e s



PAULINE JACOBS Paul's from Rockaway. Oh, when that L.I. R.R. pulls out without her! She hopes to further her work in the art field.

ELSIE KAARTINEN El has a yen for cocker spaniels and people. She plans to study. Surprisingly, she was never deluged by the contents of her locker.

MARIA KALAKURA Mary likes sports, music, and sleep. Only dislikes leaving Cooper. She plans to take a jaunt on a banana boat after graduation.

PATSY KLEIN Patsy is one of our most creative painters. She's concerned with learning different philosophies.

ALICE KNOELLER Equally handy with ruling pen and needle and thread, Alice is our slickest draftsman, and she can whip up a blouse overnight!

FLORENCE KOLODNY Flo is one of the few in Cooper Union who likes just about everything. She's still undecided about her post-graduation plan.

FLORENCE KURLAND
Flossie is a bright spot,
Flossie is no pot. She's got
what it takes. And we take
what she's got.

EMMA LANDAU Emma
will continue in advertising
after Cooper. She's fond of
Cooper Students and Camp
Green.

PEARL LEBOWITZ Gentle
and witty, Pearl has made
her way through Cooper in-
dustriously and quietly. She
even found time to take
courses at Brooklyn College.

IRVING LEPSELT Red
seems too good to be true—
always neat, punctual, and
working hard. He stuffs his
pockets with scales, slide
rules, etc.

HARRIET LEVOWITZ Har-
riet always manages to have
herself, including her curly
hair, well in hand. Able to
turn out good Art work very
quickly, Harriet is sure to go
far.

VINCENT LONGO One of
the best people at Cooper,
Vinnie has three loves, jazz,
painting, and women.

LEONA LUBIN Leona is an
industrious girl who has
shown definite firm progress
in her three years at Cooper.
She also possesses a wonder-
ful sense of humor.

CHARLOTTE LUCKMAN
Char is a gay and versatile
girl who has vamped through
four successful years at
Cooper. We wish her luck.

GRACE MADDI The
thoughts inside this wonder-
ful girl reveal themselves in
the beauty and strength of
her work.

JEAN MARSHALL Small
and sweet-looking, Jean is
one of our most efficient ad-
vertising students.

JEAN MAULSBY A talented
girl, Jean's laughter never
seems to end. She's a swell
person to have around.

BETTY MORTON A mighty
huntress, And her prey was
man.

MARION MOSTOWY Mar-
ion's fondness for classical
music and Goya will help
courses she plans to take in
teaching arts and crafts to
veterans.

WALTER RUSSELL
One wife wanted.
References:
Talented, ambitious, hand-
some young man with prac-
tical advertising experience.
Graduate of Cooper Union.

RHODA NELSON Indus-
trious and patient, Rhoda has
managed to cram a lot of
learning, plus Artie, into her
three years at Cooper Union.

graduates

THEODORE NEWLER Ted,
the class wit, keeps his fel-
low architecture students in
pain. The birth of a little
Newler only tended to in-
crease his good humor.

MARY NICHOLAS Mary is
going to enjoy living after
graduation. (Who won't?)
She hates to get up in the
morning, but breakfast and
food in general, remedy this.

CHARLES NIEMEIER He
works awfully hard at In-
dustrial Design, and has per-
fected one masterpiece—a
bulge bearing talking ma-
chine which never breaks
down—himself!

STEPHANIE NATRELLA
Steve's got all of our esteem.
A one-woman graduating
Decorative Arts Class.

TERRY OBERMAYR Terry
is an Amazon, and she's good
at cooking, Terry's a match
for anyone, angular, bony,
good-looking.

graduates

ANNE O'DONNELL
Anne has red hair and a fair complexion. She creates delicate drawings and pastel color harmonies.

JOE PALAMARA
A handsome, fine, industrious, brilliant, talented, clever, goodnatured, cultured, intelligent, honorable boy.

ALICE PAPAIZAN
Half-pint Alice is an enthusiastic Green Camper. Her likes are dancing and music. She'll continue to paint after graduation.

MARY PETERS
Nikki with the big dark eyes was a member of the fencing club. She plans to marry and to keep on painting.

FLORENCE POPP
Florence is our gal. A Fine Arts student, she'll continue her excellent painting after graduation.

GLORIA PRIVAL
Gloria's curves spring out with her fine contours. —The kiss of the hops and none of the bitterness.

AVITAL SCHWARTZ
Textures and textiles and whirling color. A sweet touch of the French coquette.

ARNOLD SHAW
A good commercial artist with a weird sense of humor.

ROBERT SIEGEL
Bob is a fiend for weekend motoring. His future plans include both Florence and working in the graphic illustration field.

ELEANOR SIMON
Still waters are deep, for Ellie's quietness conceals yet unveiled qualities.

THELMA SITZER
Thelma will be well remembered for her contributions to the Dramatic Club.

HELEN SUCHOW
Blonde Helen is an able member of the Paint and Varnish Society. Printing and photography will be her time-wasters after graduation.



SHIRLEY PROVAN Shirley and David—a good team. Lately Mr. Kantor has benefited with a series of romantic paintings. Bless inspiration.



RUTH REIMAN Ruth gets things done!—our busiest senior, all-around gal—and she finds time to be a good artist too.

ARCADIO RODRIGUEZ Johnny is a McSorley fan. With one eye on architecture and the other on pretty girls, he's famous for mishaps enroute to Camp Green.



DORIS ROSENBLUTH Hi-Keed spent her recesses grubbing in the library. She'll paint and travel and spend her life avoiding snobs.

CLAIRE ROSENMAN Claire had her finger in every pie, but the third finger, left hand, was kept free for the broadest of gold bands.



SEYMOUR RUTKIN Sy is a member of the Student Council and is interested in creative work. Cooper's own Howard Roark will continue his architectural education.

JEROME SCHERER He deserves gold medals for always putting the shop tools in place, and for keeping us happy with his store of puzzles.



DOROTHY SCHNEIDER Dottie has artistic talents, long hair and beautiful legs. Her personality is bound to get her far.



g r a d u a t e s

graduates



RUSSELL SWEET Russ is also a loyal member of the RAMW Fours. His happiest hours have been at McSorley's. Business is on his mind after graduation.



IDA TRAUB Ida, having completed four full and boisterous years at Cooper, hopes to find her place in the textile design world.



EVELYN TURK A spirited outdoor girl, whose origin is Nyack, and whose talents lie in fashion.



MURIEL VAN NATTA Van, a war-bond winner in her freshman year, will get her degree at Columbia and then go to Mexico.



SHIRLEY VENIT Always full of original ideas, Shirley has gained both in talent and in beauty during her three years at Cooper.



RUTH VOGEL "Ruthie" plans to continue her Art Studies after graduation. She still can't believe how she could possibly fall asleep in one of Mr. Willard's lectures.



MARY WEBSTER This active member of Cooper Union's big three was born with a taste for the fashionable.



CHARLOTTE ZALLEN Charlotte has been lost since Leonard graduated last year. She plans to work in Display or Industrial Design after graduation.



ABRAHAM BLUMBERG The war has made Abe a Lone Ranger in all his classes. An MAO man, president of the ASCE, he had to learn to find himself good company.



GARETH DAVIDSON Gareth, whose homework resembles engravings, is the neatest EE student. He plays a harmonica on any and all occasions, even when addressed as "Sambo."



STANLEY ENSMINGER A hard-working Ch. E. who knows his chlorines, florines, bromines, and blondes.



JOHN FALK A member of P.S.O.—President of his class for two years, he invariably sleeps through his 7 o'clock lecture.



CHARLES HUBERT He is a night engineer who is finally graduating; the studious and quiet type.



CHARLES JONES It is hard to imagine this school, particularly the Athletic Society, the Cable office, or Betty, without Charlie. One of the best-liked members of his class, he was president during his junior year.



EVELYN KELLY Ev is the class executive. President of the Student Council, she finds her lunch hour not long enough to run school affairs, and eat lunch too.



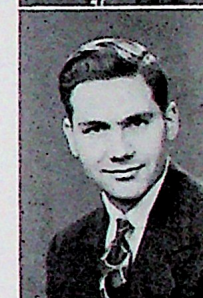
ELLIOT KOHN Esky gets around when it comes to his studies, but he really branches out in the vicinity of the Pioneer and Cable Offices.



ANDREW LABOSKIE He is a night Ch. E. who has ventured through seven years of school without ever sleeping through a class.



MILTON LEVINE Miltie, ex-Class President, sometimes referred to as the parabola, hyperbolic cosine, or vertical component, has livened up numerous Machine Design classes with his very own type of humor.



ALBERT LORCH Albert is noted for enthusiasm for Magnesium, the "miracle metal." He has started, and will continue, a career in light metals and metallurgy.



ROSE MELLMAN Rosie, President of the A. I. Ch. E. and the Discussion Club, has managed very well to organize the activities of these groups, and even do her homework too, at odd moments.

graduates



ZELDA ODES Unmistakable for her accent, cigarette-holder, and a few minor idiosyncrasies, Zelda has added the cosmopolitan touch to her four-member Ch. E. class.



EDWARD PLAWSKI Ed has made his way through Cooper industriously and quietly. He expects to study the piano, and to take courses at Columbia.



ABRAHAM REITER The leader of his M. E. class, Abe always manages to come up with the answer before anyone else. His ambition is to get one step ahead of his instructors.



FRANK RUBIN Frank found time to be A. I. Ch. E. president and class president in spite of his work during the day and his engineering courses at night.



RICHARD SABOL

Dick, a very conscientious worker, is also a swell dancer and has a mania for collecting technical volumes which he will perhaps read some day.



ALEXANDER SCOTT

Aside from his ability to "pick things up" quickly, Scotty's wit and humor are enjoyed in any gathering.



WILLIAM SHANAHAN

One of C.U.'s notorious geniuses, Chancellor of the MAO, Ruler of LSK, and Class Vice-Pres. Bill is Cooper Union's No. 1 debater.



MONROE WITIES

Monroe has always predicted that he would fail each of his E.E. courses, but these predictions somehow never came true.



MURRAY ZELENETZ

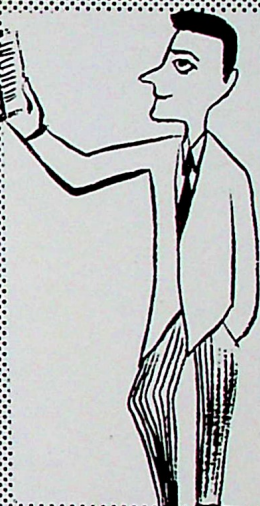
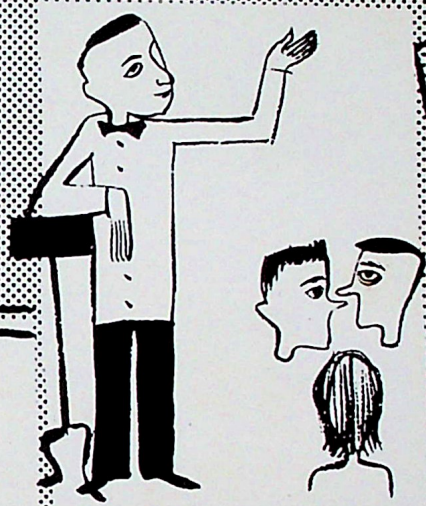
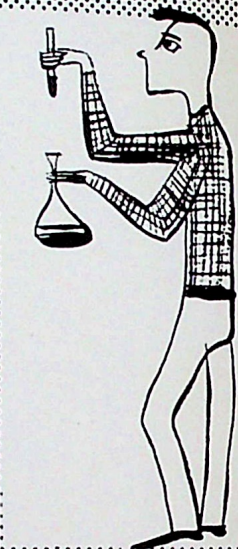
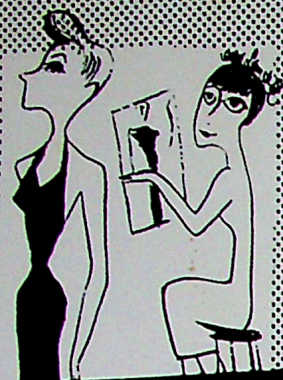
Editor of the Pioneer and secretary of the A. I. Ch. E., Murray is Cooper Union's greatest dramatic star.

graduates



Grace Maddi

classes





engineering

Knowledge is a tremendous power for good and evil—for good, when rightly and wisely applied to the varied uses and purposes of life.

—Peter Cooper

pre-engineering

It was a crowd of strangers that eyed each other—half-friendly, half-inquisitive—on the first day of school. But after a few weeks of classes the pre-engineering students acquired the “Cooper Union” gaze.

The term officially began with a four-day “Orientation” at Green Engineering Camp. The accelerated physical education program served as a preview of what was to be expected of the new students in the way of mental gymnastics. Service stripes were awarded to the survivors of the “pushball” war, and the “medal of honor” was awarded to Alvin Krinsky, of Section Three, who broke his leg during the fray. Tropical diseases, caused by bruises, over-eating, poison ivy, marked the opening of the Freshman year.

The first act of the individual classes was to unite in a common effort to raise their marks. (Result: Similarity in homework errors.)

As the term progressed, the different sections started to better themselves. Among these efforts have been:

Getting phone numbers and addresses out of a stolen register from Julie Babitz, “an active member of the Pioneer.” Keeping sly-bones Owen Fleischman awake in English and asleep in all his other classes. Keeping robust Irving Begelman at least one seat away from one of the Engineering rarities, Ruth Bowden, a goil! Knitting a service-flag for section one’s favorite serviceman, Phanagler Murray Davis. Keeping Charlie (my father steals and my mother irons) Budris and Al (choo choo train) Frankel in school.

From Section Four, it has come to our attention that Herb Wagner was responsible for the Freshmen getting up before the crack of dawn during Orientation Week—we are not responsible for the bloodshed following our report!

Mike, the assistant in the Chemistry Lab., has nothing to do in the Engineering Drawing room; during section four’s drawing hour, his voice can be heard exclaiming, “Disconnect de’ draftin’ board!”—One of these days they are going to catch Bill Warshofsky in the act.

It has finally been revealed! Jerry Straus’s girl is none other than Cleopatra!!

Section four has a serviceman too! George Wrage was chosen to become a “volunteer” by his local draft board!

FRESHMAN (UPPERCLASSMEN) HAZING

The tables were turned upon the upper classmen during this year’s “Freshman Hazing,” when the upperclassmen realized that they were outnumbered by at least five to one.

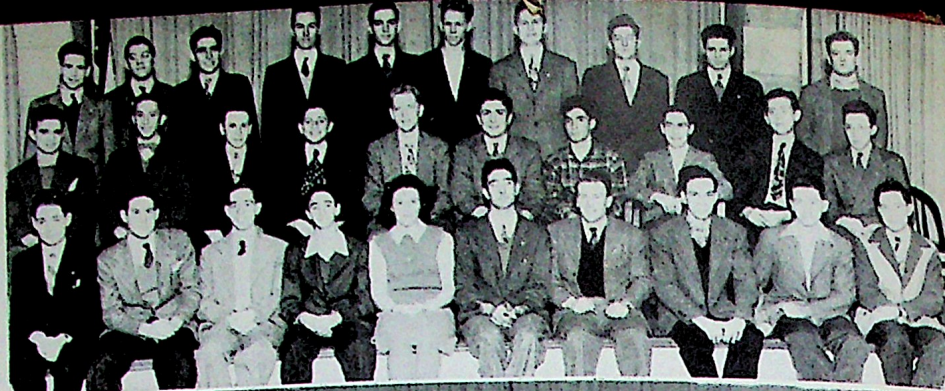
Joe Solomon, side-kick of Jerry Straus, revealed his artistic talents by decorating his notebook. This makes copying his homework a pleasure—*from reliable sources!*

Speaking of art, makes one think of those two Art School haters, “The Gruesome Twosome,” and “Sweet” (unconfirmed) William Warshofsky.

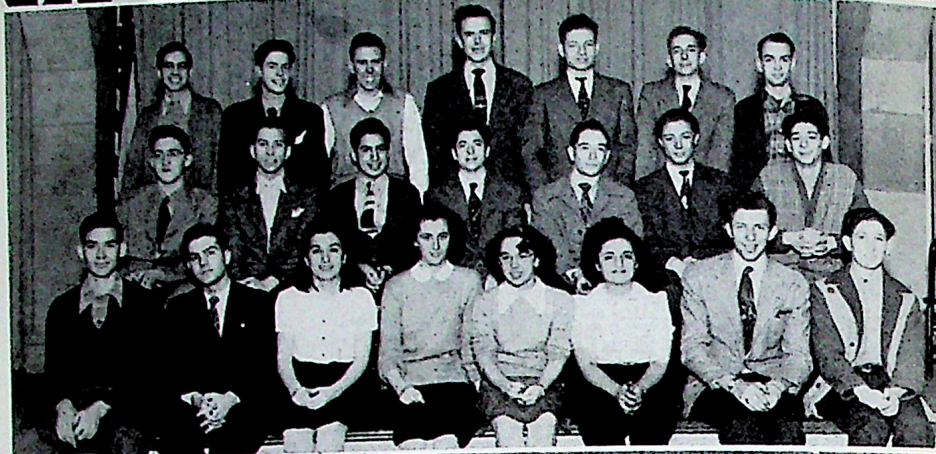
Eli Rubin bears the title of Class Platonist and Poet Laureate of Section Three. We quote a statement of Mr. Rubin’s: “The boy standing on the burning deck in Mrs. Hemans’ poem was not a hero, but a moron who did not have the intelligence to adapt himself to a changed situation.”

Among the more conscientious and ambitious (?) students, there

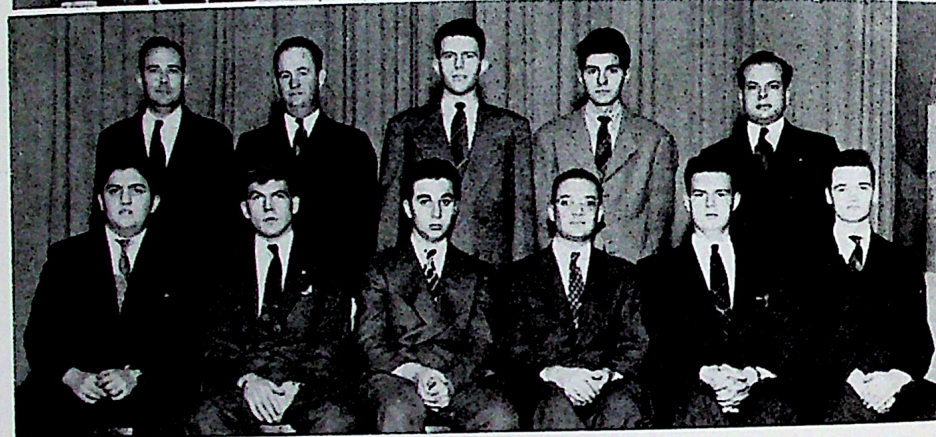
FRESHMAN DAY ENGINEERS. Top row: K. Halbert, M. Davis, R. Warshaw, G. Gerhard, J. Babitz, M. Hellstrom, C. Budris, E. Feldman, D. Jagerman, R. Orenstein, Middle row: J. Harrison, J. Kass, J. Gonick, L. Gabrilowitz, E. Cohen, E. Covello, N. Jonas, W. Ebeling, A. Frankel, A. Ebenfield, Front row: H. Hochstadt, S. Davidson, D. Gross, O. Fleishman, R. Bowden, A. Eisenberg, E. Rausch, I. Begelman, D. Nelson, W. Kastelman.



FRESHMAN DAY ENGINEERS. Top row: A. Trujillo, E. Rubin, J. Soderberg, G. Wrage, A. Krinsky, H. Reed, G. Silberman, Middle row: E. Wagner, R. Shapiro, J. Solomon, I. Leitner, M. Marder, S. Shapiro, W. Warshofsky, Front row: S. Tenenbaum, E. Vuozzo, C. Levamis, I. Kusmiss, P. Peng, R. Weinberg, F. Wiber, N. Kopelman.



FRESHMAN NIGHT ENGINEERS. Standing: J. Silchenstedt, F. Lynch, A. Seffler, J. Gaglianella, Sarrantino, Sitting: S. Weinman, T. McCarthy, S. Bernitz, J. Ezratty, L. Ay, J. Evers.



pre-engineering

are Milton Marder, Sol Shapiro, and Mel Hellstrom. "38 Keys" Eisenberg, the walking typewriter, is this year's class president, and Bob Shapiro is the class vice-president. Jack Gonick holds the title of "friend of all the people." Eddie Cohen, co-Literary Editor of the Cable, is known as the Casanova of the lunch-room. (It is rumored that he has a strange affinity for women.)

"Micky," the cat, is being expelled. He has walked out of one too many of Professor Sherman's chemistry lectures.

FRESHMAN THEME SONG

Once we were happy, but now we are Cooper students.

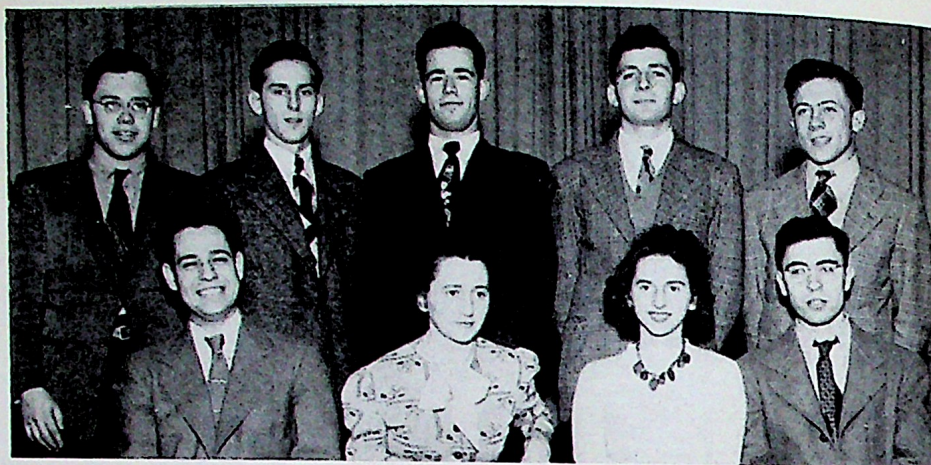
Mike Pappas is the original "open-air fiend." He was in the air corps, and it seems that he just can't get down to earth. John Chira, the golden-voiced soloist, has recovered from the "dunking" he got in the creek after singing "The Noble Maroon and Gold," Cooper Union's school song. Jack Soderberg is sometimes known as the fish with the Boston accent. Gene Vuozzo, of Section Four, holds the unbeaten record of being the only student who comes late to the mathematics class.

Special note to Al Blum: "The Art School is not considered an 'Extra-Curricular' activity." Gene Stetz, an ex-serviceman of section one, is known as "Mr. Ruf's Yes-man." A famous statement of Gene's is: "I agree with Mr. Ruf. His statement is 100% right." Murray Ritzner, another Vet, seems to have a high opinion of The Cooper Union. He is thinking of re-enlisting in the Army where, he feels, he can relax. The forlorn look on Ralph Orenstein is due to the absence of the "girl" Chem. Lab. Assistant.

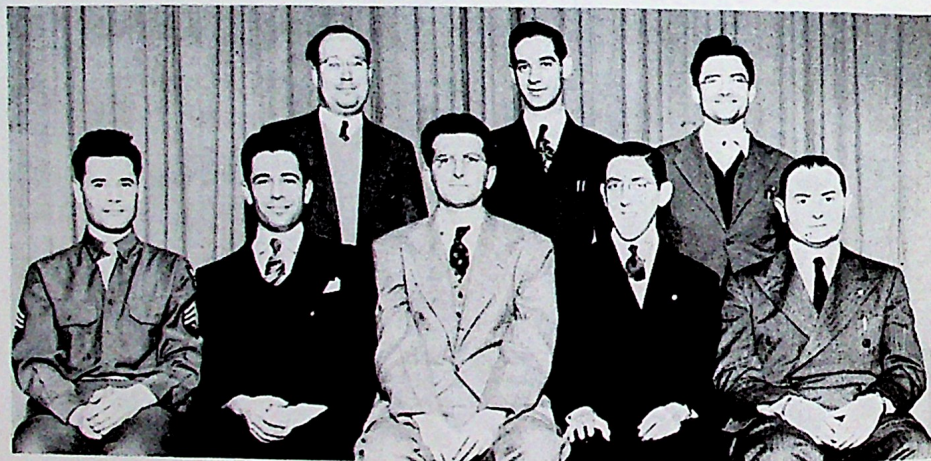
Rausch (his first name is *Erwin*) is known for giving away free packs of cigarettes in Math., and then mooching back three times as much for the next seven hours. Lester (He who Hesitates is Lost) Gabrilowitz revealed how to find the Lost Weekend. The girl he took to a Lambda Tau Dance, held in January, lives in Yonkers—he lives in Brooklyn.

The feats this amazing class will perform for the betterment of the world will be only revealed by the future.

chemical engineering



DAY CH E's. Standing: J. Chabety, W. Nazarewicz, I. Spiewak, T. Seldorff, R. Foss, Sitting: M. Zelenetz, Z. Odes, R. Mellman, C. Jones.



NIGHT ENGINEERING. Standing: W. Widmer, Sitting: M. Antonazzi, M. Ressnick, S. Nachtigall, S. Meyers, J. Gold.

The Day Chemical Engineering enrollment has been hard hit by the draft and the discriminatory policy of the Registrar concerning those with low cumulatives. However, those remaining will leave their mark in many and diverse places.

The senior class is a "substituted" one. All of the original June '46 gang have been drafted or flunked out. This would have left a strange vacancy in schedules and would have frustrated the instructors, so the class ahead decided to fill the gap. Zelda and Rosie, known chemically as "the beaker and the test-tube," dropped back in the conventional Cooper manner.

The difficulties of reconversion from the quarter to the semester basis had taken Thesis out of the regular Semester 3 curriculum. Charlie Jones, horrified at the thought of missing Thesis (and with an eye on his Unit Ops marks), decided (voluntarily) to remain six months. This made the girls very happy, because they envisaged him carrying heavy pails of water all around the Chemical Engineering Lab., while they stood by and gloated.

Murray ("you make 'em, I'll break 'em") Zelenetz, inspired by this noble example (and also with an eye on his Unit Ops marks and a thought toward taking Thermo all alone), decided to drop back also.

The boys regretted their action a few weeks later, as Zelda proved she was a woman and not an engineer. It wasn't so much the fact that Professor Hope had sent her to Mr. Deed to bring back a left-handed wrench. What hurt was the fact that she actually *went* and even *asked* him for one.

The boys weren't dismayed for long. Searching for something to regain their faith in Cooper, they grabbed an editorship on the PIONEER, and Betty (individually, not collectively).

The classes below, having started going mad a little earlier, will undoubtedly climb to greater heights. In Physical Chemistry, the boys learned a little about Free Energy. 'Tis said that "a little learning is a dangerous thing." While flunking the course in the classroom, Bob Foss and Tommy Seldorff passed with honors while applying their free energy to a few Art School girls (about three dozen of 'em).

Foss understood the relationship between free energy and equilibrium and managed to balance six girls and little Robert all on one couch every lunch hour. Tommy, however, contented himself with one at a time, making up in velocity what he lacked in cubic capacity.

Walter Nazarewicz thought he could escape athletics this year, but Mr. Deed gave him a distillation experiment to do all alone, and Walt found that he needed all his prowess to stagger through it. His companion, Irv Spiewak, not to be outdone, took up ping-pong with a vengeance. Both look like draft bait at this writing.

It's plain to see, that if the Chemical Engineers didn't have fun outside of the laboratory this year, it's not because they didn't try hard enough.

chemical engineering

To the student body of the night school of Chemical Engineering, Oak Ridge, Tennessee, and the other atom bomb plants had a double meaning.

Within a few days after the product of the Manhattan Project was made known to the world in general, and to the residents of Hiroshima and Nagasaki in particular, the war was over.

Already several of the members of the night student body have returned to their classes. Each day greets more of them, casting away their guns and picking up their slide rules.

A moment's consideration shows that the war work done at Oak Ridge, and at a thousand other places in our country, has greatly expanded our field of chemistry and chemical engineering.

The K 25 plant at Oak Ridge gave us the gas diffusion process. Although the theoretical principles of this process were known in 1829, the Manhattan Project offered gas diffusion its first acid test. This process alone merits a new edition of Badger and McCabe.

Also among the more constructive products of Chemical Engineering and the atom bomb research is the thermal diffusion process. Here again, along with the electromagnetic process, gas diffusion, and the Klanford pile, we find a lasting product of wartime research.

Through work of the caliber of that indicated above, the chemist and chemical engineer have gained a high place in the eyes of America and of the world. It is the sincere hope of every night school Ch. E. that through our own work we may add to the engineer's place in society.

You have unquestionably seen some ragged characters hovering about our "campus," identified as students rather than as our Bowery neighbors only by familiarity or by age. They have called attention to themselves by wearing jackets on the warmest of days, raising their collars about their necks, and shivering with the cold. We will explain this apparent madness.

In the basement of the Hewitt Building, there is a hallowed room. In it are some steam engines, some steam turbines, several assorted internal-combustion engines, and Professor Roemmele, all dear to the heart of every M.E. But much as the experiments on the aforementioned prime-movers are anticipated with joy and delight, there are drawbacks. Especially for those who do not enjoy working in a room at a temperature of 100 degrees Fahrenheit or above. Even this, however, like all things M.E., has its compensations. Is it not pleasant to walk outside into what everyone else considers a sweltering day and find yourself pleasantly, or even non-pleasantly, cold?

Naturally this is not the only distinction of the M.E. students. The 12 to 15-hour reports which followed every lecture and experiment in the laboratory did their share in raising the temperatures of the M.E.'s. They were amused by the frequent reminder of the machine-design teacher, during the design of the engines, that the Ford had already been designed, and satisfactorily so. And as a point of clarification, we wish to inform the reader that when the Senior M.E.'s were heard muttering "Winch, winch" under their breaths, they were thinking not of one of the charming Art School girls, but of a troublesome mechanism on a two-and-one-half-ton crane, to be handed in, on paper, to the Machine Design Department.

The M.E. class which was graduated in February was the largest which Cooper will see in quite a while. It comprised Phyllis—yes, female!—Belous; Dion Haring, known by friend and foe as "The Smoothie"; Elliot Kohn, or Esky the Octopus; Leo Kelberg, the Worry-bird; Daniel Friedman, the Eager Beaver; Sid Kravitz, the Torpedo; Leslie Bernd, the Railroad Expert; and Arthur Zahradnik, the esteemed president of the late Semester Eight. In formation, with eager smiling faces, they hurled themselves unafraid into Aerodynamics, Industrial Organization, and the other scrimmages which dog the Seniors' every step.

The return of Lieutenant Leonard B. Goldman, former February '46 man, who forsook his classmates for the ocean blue and a girl in every port, saved The Cooper

mechanical engineering

Union from what would have been a drastic innovation.

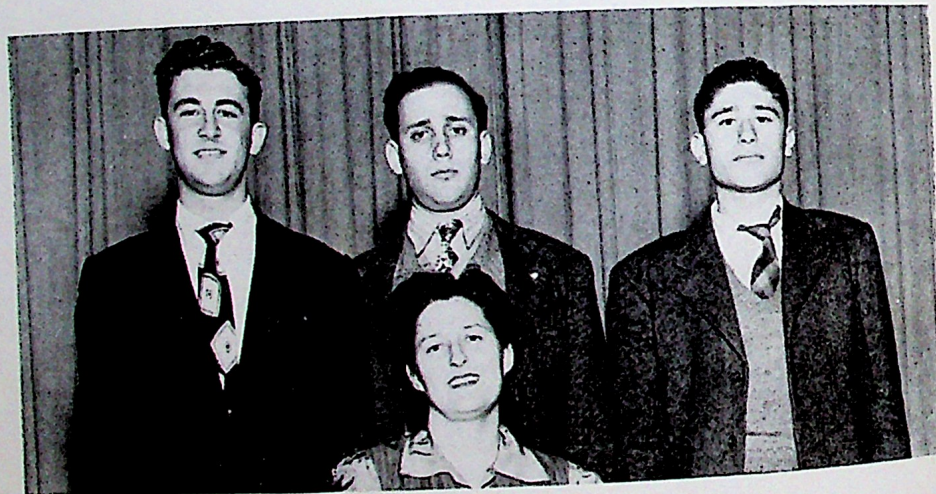
The June M.E. graduates have been ready to rout the M.E. faculty out of their offices and domiciles to take data with the common students! As a matter of fact, Professor Roemmele was observed on one occasion with a lowly data board in his hands, during a particularly difficult experiment. Admittedly it would have been arduous for Abe Reiter, Milt Levine and Evelyn Kern Kelly to take data all by themselves.

Although these two classes never met together for common studies, they do have memories which they share. Aside from the frequent words of warning which the

DAY M.E.'s. Standing: A. Zahradnick, S. Kravitz, E. Kohn, D. Haring, D. Friedman, Sitting: L. Bernd, P. Belous, L. Kelberg.



mechanical engineering



DAYM.E.'s. Standing: M. Teitelbaum, S. Becket, N. Pepper, Sitting: P. Belous.

higher group felt called upon to give to those more innocent than they, there was one memorable camp trip in January of 1946, on which the graduates allowed the lower classmen to accompany them and Mr. and Mrs. Salma. It was, to say the least, an eventful time, with almost the entire M.E. faculty visiting one time or another.

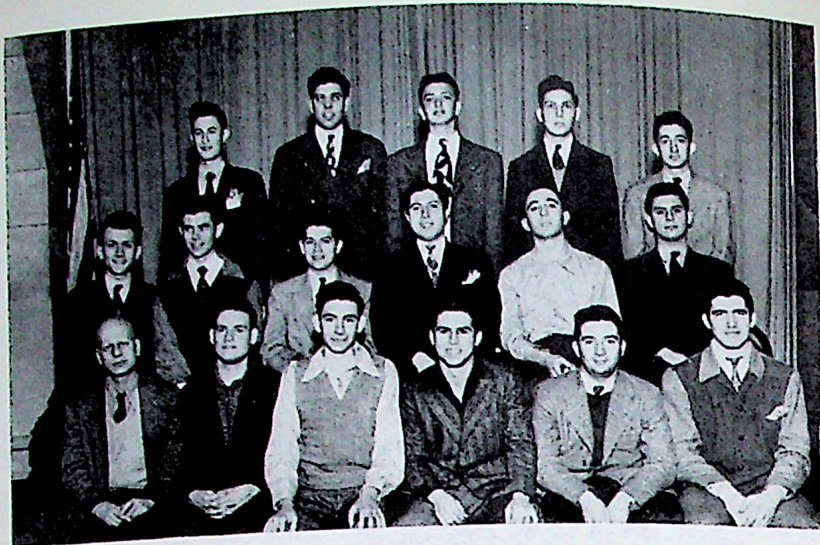
Professor Vopat was on hand when Leslie, sliding gleefully over the ice on Beaver Pond, looked up to discover that the sudden noises he heard were not distant bells, and that he was, oddly enough, horizontal, with his chin resting in a freshly cut groove in the ice. Other casualties resulting in black and blue marks were suffered when the girls, Evelyn and Phyllis, scrimmaged with a majority of the twelve boys over whose beds were to be stolen. The battle ended, happily, in a stalemate, until later on when one of the boys' pajamas were discovered, frozen stiff, leaning against the wall of the Administration Building.

Dean and Mrs. Bateman and Professor Roemmele were on hand for the Sunday dinner, and elaborate affairs of tough steaks, burnt corn, and lentil soup which all survived, fortunately, with the exception of one cook. Yes, Green Camp was a happy hunting ground and meeting ground for the M.E. department.

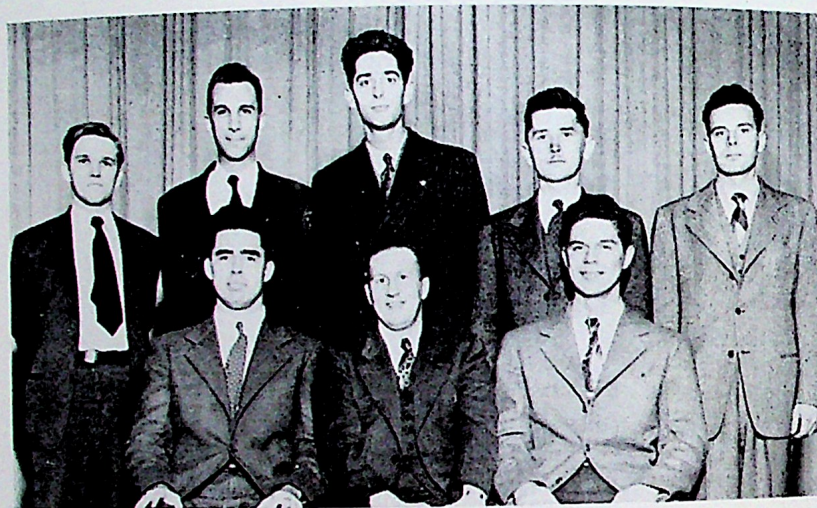
About the Semester 6 M.E., Marvin Teitlebaum, we have nothing to say, except to offer our condolences. He will, we fear, lead a lonely life.

The salvation of the M.E.'s at present appears to lie in Semester 5. There are, to date, 14 M.E. members—Bill Beck, Stanley Becker, Archie Boscia, Ben Goldberger, Harry Herman, Stan Krumbholz, Irwin Landau, Gerald Lieberman, Stanley Macklis, Sheldon Miller, Howard Molk, Nathan Pepper, Eric Sussman, and Albert Wertheim. We of the graduating class wish them luck.

DAY E. E.'s. Top row: E. Torgow, W. Uhl, E. Saltz, M. Tanenbaum, E. Glasner. Middle row: W. Shanahan, J. Bentkowsky, B. Harris, J. Turtill, B. Reifen, H. Hausman. Front row: N. Austern, G. Davidson, A. Klein, G. Klein, H. Shapiro, G. Mueller.



NIGHT ENGINEERS. Standing: H. McNulty, R. Parsikian, S. Zimmerman, J. Graham, D. Fisherman. Sitting: E. Douglass, J. Dewender, H. Cubberly.



electrical engineering

The year 1945 witnessed the graduation of two classes of electrical engineers, and after having witnessed them, paused to contemplate the amazing fact that the total yield of young, healthy, enthusiastic E. E.'s was numbered at eight.

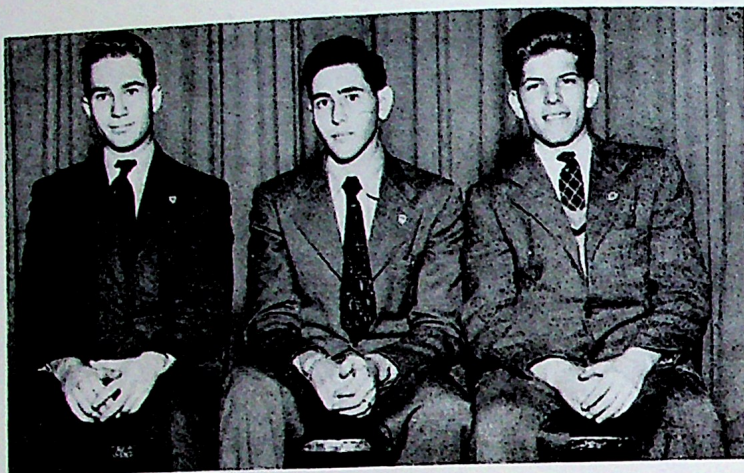
The winter class, made up of such hardy souls as Norman Austern, Leo Birenbaum, Bernard Loveman, Roy Eason, and Gene Torgow, found itself faced on many occasions with the alternative possibilities of work, homework, and sleep. The third alternative, in spite of being the most attractive, was the least often indulged. The reason was that this class, although taking the communications option, also had Professor Nudd's power option course in machines, just to occupy their spare time.

The Spring class, whose sum total of three enthusiastic students was made up by Gareth Davidson, William Shanahan, and Monroe Wities, had a slightly lighter program, but their hours of rest and relaxation were almost as infrequent. The class became well acquainted with Professor Sherman, as he lighted their way through transmitter design and wave filters.

The last week of the term, the idea of rest and relaxation seemed almost a dream. As the students cleaned up their last mass of problems and reports, they quietly pondered on how they would look back their "gay, carefree" college days. But even this week finally passed, and, weary from the long hours spent in the acquiring of a degree, they finally passed out—of the school. Their diplomas were presented in January. The government "honored" 60% of them within a few weeks, by offering them jobs at \$50 per month and free meals—all 60% rushed to accept this exceptionally fine offer.

Strangely enough, it was only the EE class that took Mr. Salma's course in Advanced Analytical Mechanics, which interested them. The two speakers of the class, Shanahan and Wities probably made more comments in the Social Philosophy seminars than any other members of the senior class.

The lower class electrical engineering groups have finished their electric circuits, bowed low (mentally) to Mr. Tallman and Professor Starr, and quietly retired to dream of their future courses in advanced technology, realizing that the worst was yet to come.



DAY C.E.'s. M. Bernstein, I. Singer, T. Hein.

The day session boasts of three C.E. classes: the upper sophomores, the lower seniors, and *the* upper senior. The first of these classes, and the most numerous, contains three regulars (Millie Helfman and two men) and two irregulars, Ted Hein and Gil Marin, who must actually be catalogued as freshmen because they neglected to pass a few first-year courses. In passing, let it be recorded for posterity that Millie had a wonderful time in her one-woman classes that week in December when Murray Bornstein and Irwin Singer were both out with the flu.

Sidney Augustus Metcalfe should also be classed among the sophs, since he is taking some courses with them, but to spare Abe Blumberg from loneliness, let us consider Sid to be in the lower senior class. A graduate Aeronautical Engineer from N.Y. U., Sid decided that a C.E. degree would be a nice thing to have to further his ambition regarding airport construction. Abe is still surprised that the Army should want him, of all people!

The solitary day C.E. on the graduation list is Joe Schwartz, whose studies at Cooper were complicated by some time spent in the Army.

As usual, there are more C. E.'s in the Night School than in the Day School, eleven as compared to eight at the time of writing. Harry Tanzer and Sam Schneider have the Third Year classes all to themselves, yet they manage to get all around. Sam has been working as a mechanical draftsman, but he is gradually making up his mind to seek work in the C. E. field even though it means a cut in pay. Greater love hath no man. . . .

In the Fourth Year we have Frank Kacerow, John Broker, and the Rover Boy of the C. E. Department, John J. Horecky, Jr., whose late hours during last summer's Surveying Camp are still a source of wonder to his conferees. From data gathered at Camp, Frank produced a topographic map so neat that Professor Ely would handle it only with kid gloves lest it be soiled.

Walt Lischick, in the Fifth Year class, is constantly looking at baby pictures be-

c i v i l e n g i n e e r i n g

cause Alexander Berger and Peter Imagna, his classmates, are busy raising little Civil Engineers.

And finally the graduates, the Sixth Year class, Henry Gorky, Walt Turbiak, and Wilbur Widmer, are already looking for new worlds to conquer. Wilbur, for one, intends to take advanced work in mathematics. Perhaps his one-man campaign will do something to dissipate the prevailing notion among E.E.'s that C.E.'s are poor mathematicians.

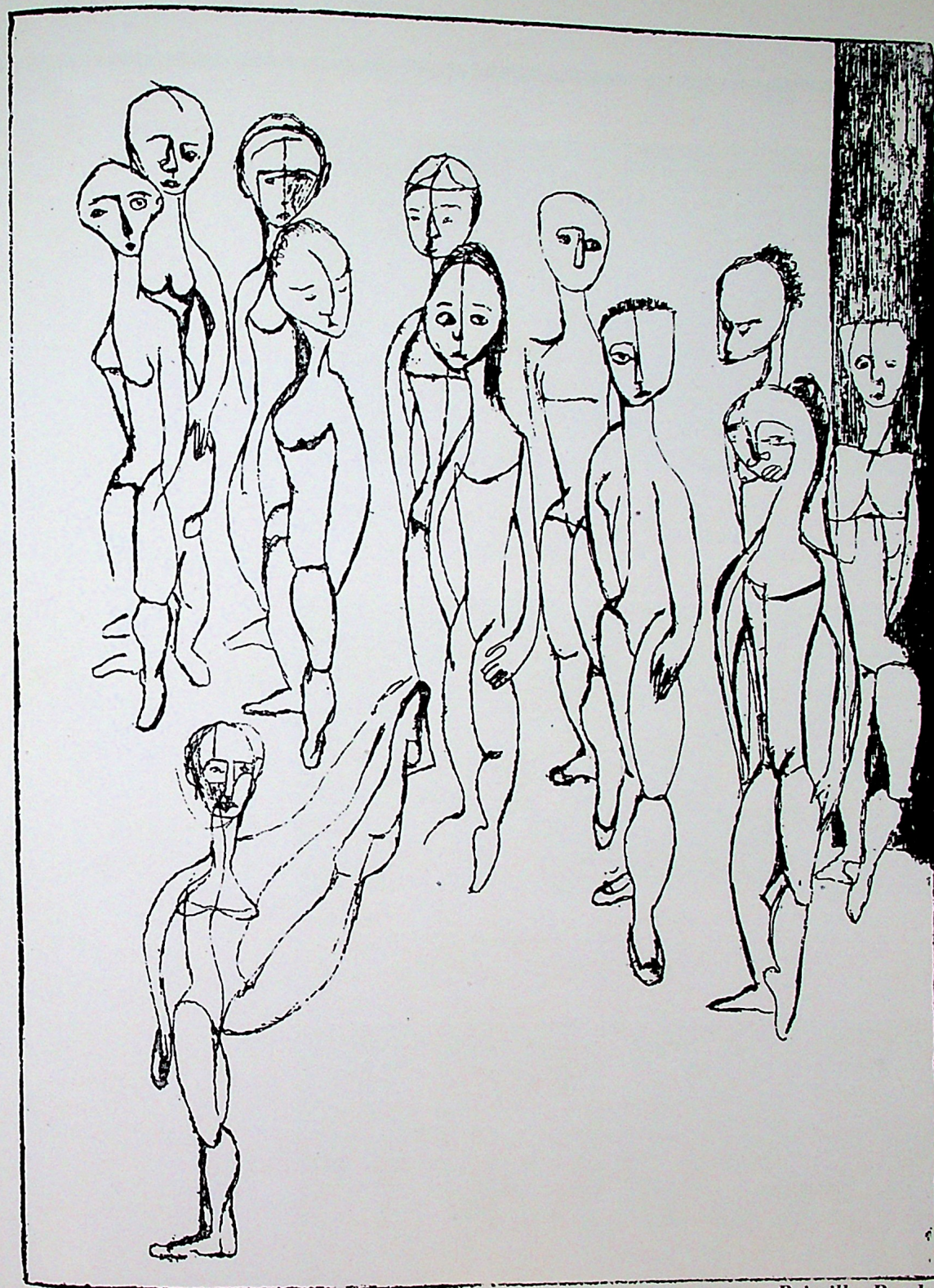
Highlighting the term's activities for many of the C.E.'s were the meeting of the American Society C.E., to which nearly all of them belong, and the geology field trips under the supervision of Mr. Claude Roberts. The first trip, made on a foggy Saturday morning, covered the geological features of northern New York City, from the Hudson River at 168th Street to the Boston Post Road. Sore feet were nursed for weeks afterward by the less hardy students, though Mr. Roberts seemed to suffer no ill effects.

The story of a successful year might well be concluded with this incident: When Mr. Mahle put a notice on the bulletin board to the effect that a motion picture of the foundations would be shown for his soil mechanics class by the chief engineer of the Western Foundations Company, nearly all the day C.E.'s and many of the night C.E.'s were able to pull the right strings to be excused from other classes to attend. How's that for class spirit?

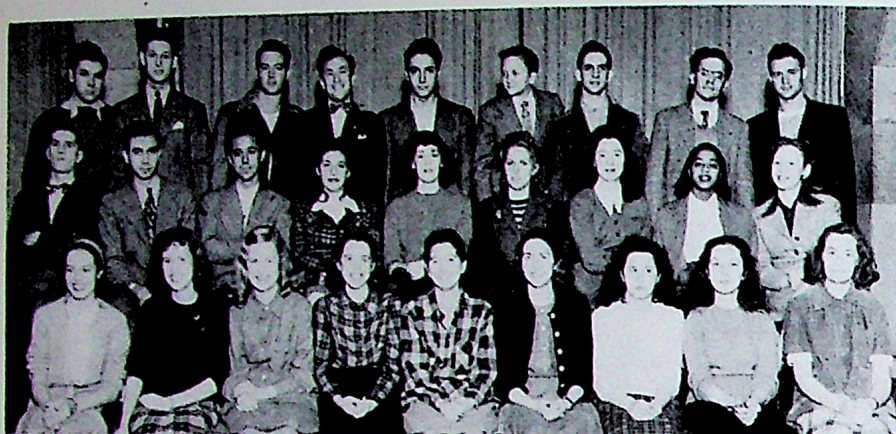
art school

There is beauty in goodness.

—Peter Cooper



Priscilla Bender



DAY ART FRESHMEN. Top row: V. Sylvestri, A. Greenberg, F. Hoffman, H. Comerro, H. Chazen, H. Niese, S. Berliner, H. Grossman, J. Leen, Middle row: K. Griesshaber, J. Simpkins, T. Boutis, M. Fox, A. Mittleman, F. Penn, R. Pressels, H. Childs, M. Schleifer, Front row: Y. Rood, S. Rose, M. Meadows, S. Fenrow, B. Markowitz, C. Opeles, B. Di Yulie, M. Balumis, M. Clift.



DAY ART FRESHMEN. Top row: E. Mortensen, M. Simons, S. Simons, B. Jebaltesky, L. Dodd, A. Legrani, G. Fuchs, L. Cooper, M. Zimmerman, Middle row: L. Moseley, D. Ferber, J. Perlstein, D. Rady, E. Mayrhauri, M. Freiman, H. Meisel, C. Solomon, J. Cohen, Front row: J. Moessner, M. Rankin, S. Jahr, R. Folley, M. Weiss, H. Steinberg, R. Schreiner, E. Sakalian, A. Simon.



DAY ART FRESHMEN. Top row: I. Margulies, T. Snyder, M. Simpson, R. McCoy, W. King, J. Moon, G. Maffein, L. Bernstein, W. Haynes, J. Coleman, Middle row: G. Wolff, D. Kessler, M. Gatewood, L. Parker, R. Resnicow, A. Meck, J. Pizzo, C. Schnapp, L. Heilbrunn, J. Goldstein, Front row: M. Flaherty, S. Fairchild, P. Reynolds, D. Bradley, J. Lang, M. Zellermyer, M. Wolf, M. Rosen, A. Shore, P. Katz.

f r e s h m e n

day school

We're the freshmen. Hi! We soon found out that you don't have to be crazy to be admitted to The Cooper Union, but it certainly helps. At the beginning of the year we had been condemned by our illustrious upper classmen as the "most normal" bunch to enter Cooper Union since they could remember. We were temperamental failures—most of us, that is.

Of course there are people like Jimmy Moon and Pearl Katz who could not be subdued. Jimmy, who kept his tooth brush in his locker until he found an apartment, was elected class president, "the first Southern president since Jeff Davis." And Pearl has been collecting money ever since.

Now, as you see, we have developed into quite a group of people. THE PIONEER, Dramatic, and Literary Clubs have been invaded by the frosh. We are there whenever and wherever you look. For information see Yonkers girls any time. (They're the ones with the hard terra cotta). Sally Fairchild is *our* actress (patented). In music there is the Parker-Lang-Bradley Trio, who will sing at the drop of a hat or penny—or even without it. Gilbert (the little man who's never there) Swan is our pianist. In the field of art—well, aren't we all? Of course there is Bill King, gadget man, a combination Calder and Rube Goldberg.

Apropos of building we have Arlene Shore and Mickey Wolf of the pink woolies. What construction! Bob McCoy is something for the girls, Ted Snyder something for the pros—those questions and those eyes! And while we're with the boys, there is Bill Haynes, South Sea Island expert; Bernstein and Margulies, the boogieboys; Joe Coleman, our favorite, but don't tell wifey! Alice Meck admits that she is quite a character. No comment.

Lotte says that Peggy Reynolds should be writing this instead of me. Give the journalists a chance. Or the photographers. Apparently they had quite a time making us look like monkeys in the pictures. The toothbrush-ad smile in the dim background belongs to Hal Comerro; the horn-rimmed glasses and flowing tie are parts of José Fumero, our most typical-looking artist; Lois Dodd is the nice gal with the "subway dungarees"; you can't see them so well in the photo; Hank C. Niese, C for Casanova, regularly leaves Dingilian flat for Miss Schutz. He admits that the women in design aren't bad either. Tch!

Say, come to think of it, we're not as dull as we thought. Show us one other class with plaster of Paris concrete gloves, two Christmas trees, pussycats, monthly birthday parties and such an amount of spilled paint. Most important, we are learning—if not from our fellow students, then at least from our instructors. And that may do some good in later life. Time will tell. Perhaps by next year you won't recognize us any more!

evening school

One night last September, five sections of eager but somewhat bewildered night art school freshmen started their careers at Cooper. Little realizing what lay in store they confidently took their pencils in hand—and then Cooper and all its wonders and wonderments hit them.

First they were allowed to absorb some of the hallowed traditions of Cooper Union as an institution—the essence of Cooper which seems to lurk in every desk and stool of the building. The sixth floor library, the neighborly lockers, the good-natured joshing of each other, and the wonderful teachers. They all seemed so swell that first week—and darned if they didn't live up to the first impression.

The next stage was disillusionment, I thought—they told us—in high school—gee, but I'm mixed up—yes, I see now, I understand. Remarks ran the gamut from the ignorant to those in "the know." Gradually, however, the dawn of understanding and hope came and cleared the air. Those people sitting around became friends and that first homework assignment became one of the periodic hurdles to be crossed. The Cooper fledglings found their nest a very comfortable home.

They learned the requisite for a Cooper student—abundant energy and expressing one's individualism; individual expression abounds and the results are usually interesting and exciting. Generally the student of a class in Cooper has his counterpart in another class but no two are ever really alike.

Each class seems practically perfect and complete to itself, and all have an egotistical love for each other.

A few "characters" have little memorable traits which endear them, or else just serve to make them known to their fellow students.

Because of the fact that night students have positions during the day, they all seek peace and quiet in Cooper's dusty halls during evening hours. You can find Art, Johnny, and Bill Post whispering down by 104 at 7:05 almost any night. There's Jean Smith, who has been avoiding the Cable office, and Joyce and Murray, and good old Saul. Bernard Wohlberg has sparkled out to be section I.E.'s class wit.

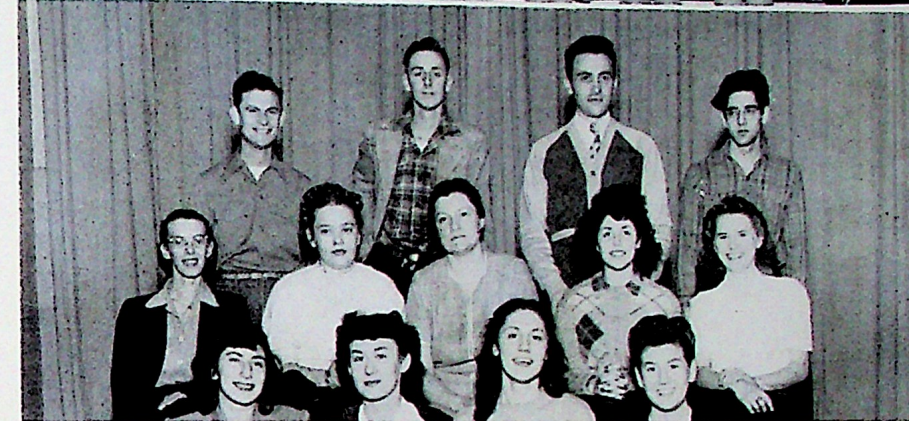
Our lockers haven't been cleaned yet and Miss Schutz's black and white paint still splatters the floor, but the night freshman have finally found out what it all means. Next year, we'll be upper classmen and it will be our joy to watch the freshmen with those bewildered looks. In just one year we've learned a lot from Cooper and its instruction, and now, each one of us in turn will choose his course and follow it to wherever fate and ambition may lead.

f r e s h m e n

1st YEAR NIGHT ART SCHOOL. Top row: A. Southworth, E. Martinez, G. Forsworth, M. Fishman, T. Creazzo, J. Lee, B. Wahlberg, S. Goldenberg, B. Post, I. Levine, J. Marino, Middle row: J. Ulmer, C. Scutellaro, M. Scalera, M. Goldstein, D. Smith, H. Borysewicz, N. Riba, L. Weintraub, I. Baralis, Front row: A. Maron, D. Kerns, M. de Pierre, P. Orzak, J. Schmidt, C. Rodriguez, M. Nebel, E. Sprade, G. Fiorentine.



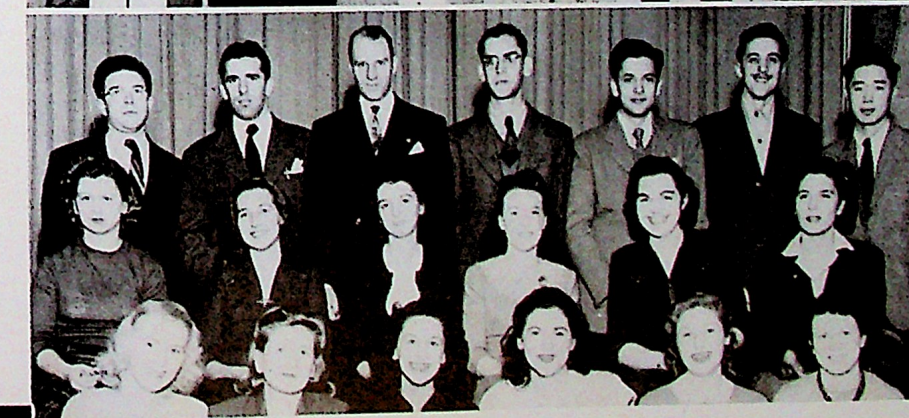
1st YEAR NIGHT ART SCHOOL. Top row: L. Weisbrot, R. Wells, C. Lader, S. Epstein, Middle row: B. Holtslag, S. Rich, J. Phalares, P. Galowin, N. Johnson, Front row: G. Gerstman, R. Miller, A. Kanopka, L. Kreger.



1st YEAR NIGHT ART SCHOOL. Top row: B. Bennett, M. Werner, L. Koch, C. Dreesen, Middle row: S. Mauritsen, J. Fremgen, L. Jones, I. Perchonok, E. Sobolewski, J. Daniels, Front row: J. Wolff, D. Bredelis, E. Gordeky, S. Schuster.

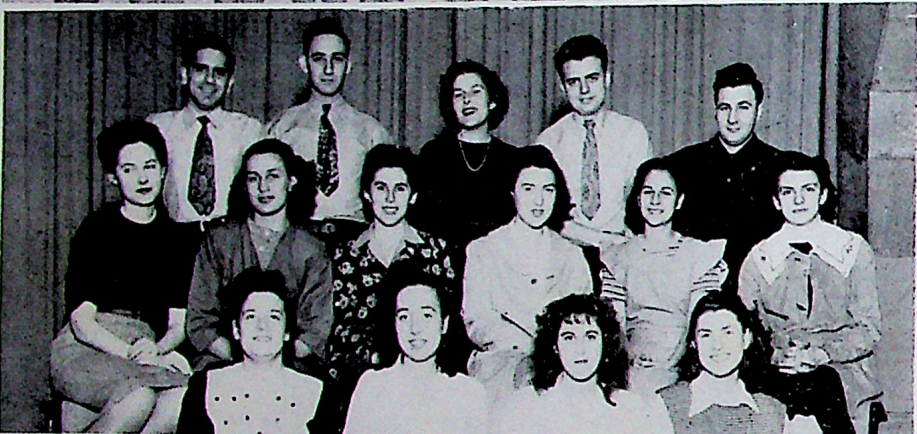


1st YEAR NIGHT ART SCHOOL. Top row: P. Gelber, A. Stangas, B. Williams, M. Borkin, D. Forlenza, M. Wess, H. Shin, Middle row: N. Norwood, C. Gill, H. Hahh, V. Johnson, H. Albrecht, R. Rothstein, Front row: D. Simmons, A. Sultzer, F. Sider, H. Sanders, N. Derenna, E. Clark.

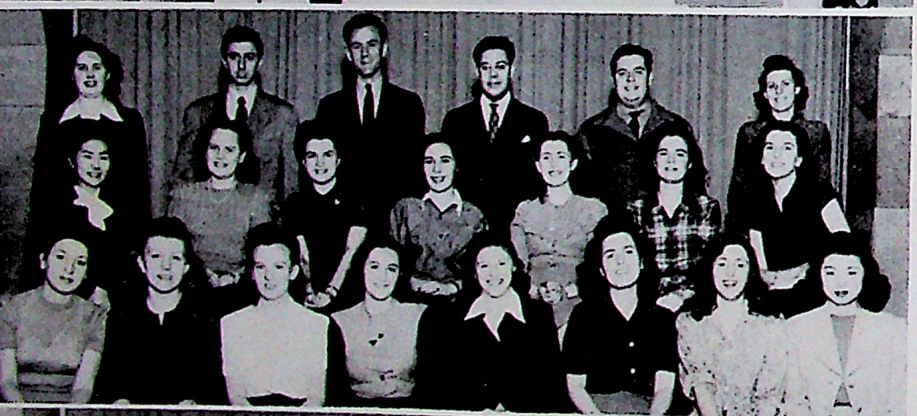




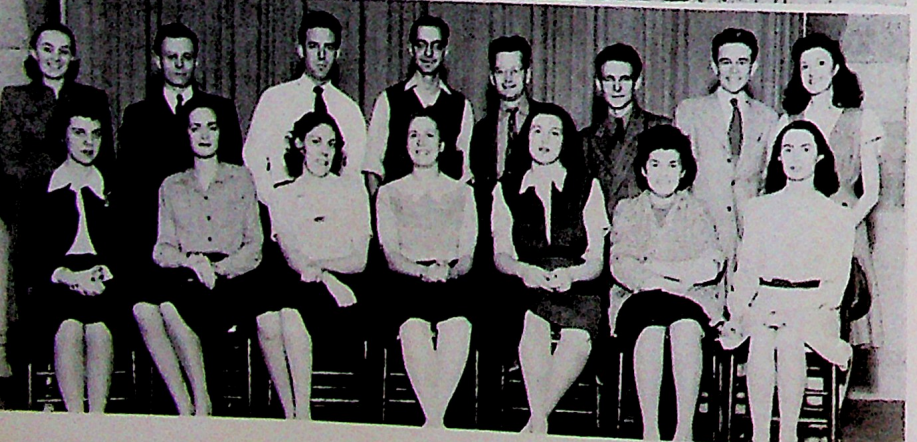
2nd YEAR DAY ART SCHOOL. Top row: M. Wheeler, S. Lynch, A. Daley, L. Palser, D. Burgess, A. Kramer, A. Frimet, R. Garrison, R. Gaschke, F. Irwin, D. McFarlane, W. Chu, Middle row: S. Moore, N. Quanche, W. Wilson, E. Russell, L. Keely, H. Stein, A. Schultz, A. Dick, N. Greenberg, D. Derchin, I. Matz, E. Berkow, Front row: B. Kopelman, M. Wood, N. Kennedy, J. Spitzer, I. Schneider, M. Sweeney, G. Greenbaum, E. Wolf, J. Drabkin, L. Hirschberg, L. Lazarus.



2nd YEAR DAY ART SCHOOL. Top row: S. Zambito, E. Brodtkin, E. Leib, A. Peters, S. Berman, Middle row: P. Reilly, M. Talles, P. Brunner, H. Gelber, I. Zucker, G. Raney, Front row: M. Ferri, S. Medaisky, E. Distel, G. Benedetti.



2nd YEAR NIGHT ART SCHOOL. Top row: J. Forsberg, A. Normandia, G. Murray, M. Brown, R. Gelles, N. Scharf, Middle row: K. Tasaka, B. Johnson, L. Strauss, P. Wollins, L. Berman, E. Blum, P. Begg, Front row: S. Adler, E. Potzkai, A. McCarthy, R. Stern, B. Kirschner, M. Pappageorge, H. Cohen.



2nd YEAR NIGHT ART SCHOOL. Top row: E. Collins, H. Turke, R. Ronalds, H. Falk, S. Canelis, M. Hufschmid, D. Clark, J. Accolla, Front row: B. Doyle, D. Barlow, P. Stark, L. Hellmich, E. Winter, M. Kaufman, J. Post.

s o p h o m o r e s

day school

The wild Freshmen of last year have finally become Sophs, but they are still the same as ever—gay, friendly, cheerful—although a bit more subdued and somewhat depleted in number. But they carry on the old school spirit.

The famous (or infamous) team of Burgess and Trakis broke up when the latter switched over to night school. This year Burgess had no mate, male or female, but was international . . . he belonged to everyone. Marvin Oberman entered the Navy and left in the midst of a flood of tears, only to return after thirteen days sporting a discharge button.

Various members of our class, including Sal Bruno, Martha, Alice, Sheila, and their cohort in crime, as well as Howie Smith and Alphonse (NAS), intermingled with the poor, quiet, unspoiled Freshman class and made many friends there. Most of the friends were all girls, but then, boys aren't too attractive to the fellows, and Martha, Sheila, and Alice don't believe in males.

The class gleefully accepted into its ranks Lee Palzer, veteran of eight months spent with Italian partisans behind German lines in Northern Italy.

Frank Irwin continued to await an atomic war which would end the world, but is still doing homework for months ahead. Bob Garrison became quite a sheik, forcing his suave manner on many young women, to the delight of some and the dismay of others.

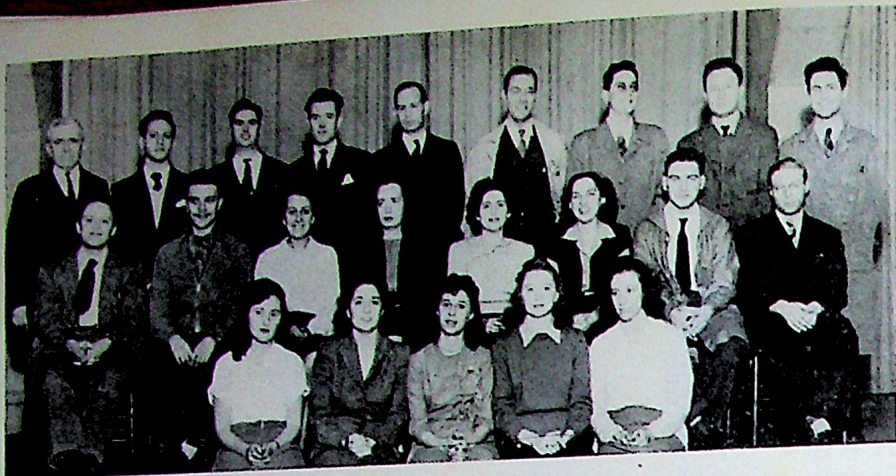
Ronald, Arline, Sheila, Sal, and mobs of other Sophs took to painting tiles as a means of making money to support their poor old mothers. Don continued his comic strips, though, and ignored the tile-painting business.

New and beaming faces, such as those of Howard Fenton, Jeanne Drabkin, Howie Smith, Millie Wood, Dorothy Woods, Lee, and a few others popped up to replace people like Kirt, who ran off and married a horse, Paula Corpas, Jane Forrest, Jerry Kuhl (Pvt., U. S. Paratroops), and others who have left the hallowed halls of Cooper Union. It's odd to think that Jerry, a good art student, wound up as a paratroop engineer.

This past year our class overwhelmed Camp Green and started co-ed week ends—and Suffern will never forget the first one.

Sonia Chusit is engaged in two businesses this term, marriage and hand-painted ties. Both seemed to be doing well. Mr. Busa appeared to enjoy his first Second-Year Class in the school and particularly liked the work of such celebrities as Dave Kaplan, John Windrum, Nancy, Sally, Irma, and Marian Fogal, who took to lettering comic book pages to make a little extra cash.

Painting classes this year were gay and hilarious, with the masterpieces running from wild abstractions to supreme realism. As a matter of fact, six people stood in front of one of Burgess's paintings for 52 minutes waiting for an eye to wink at them. Sheila spent days and days stretching canvases bare-handed before she found out about stretching pliers. The greatest moment of all came, when Pathé News took about stretching pliers. The greatest moment of all came, when Pathé News took about stretching pliers. The greatest moment of all came, when Pathé News took about stretching pliers. We all flashed our Pepsodent smiles and stared into the camera, and Lee went into a song-and-dance routine, waving three American flags and balancing an easel on his head. No one knows when the film is coming out, and Mr. Mangravite and the rest of us have been patronizing every movie-house in the city awaiting the day when we'll see ourselves on the screen and sit through the show eight times.



3rd YEAR NIGHT ART SCHOOL. Top row: C. Danforth, D. Slipman, F. Brandt, J. MacDonald, J. Rich, H. Moss, S. Baum, H. Gazess, S. Sophrin, Middle row: J. Applebaum, A. Gold, E. Scheen, E. Gilmartin, A. Heimann, S. Drucker, L. Kessler, J. Scherer, Front row: L. Cohen, M. Ferrarie, S. Meyers, J. Bissett, E. Mares.

juniors

Not letting a little thing like a vacation interfere, the present Third Year Night Art School class, aspiring seniors now, kept in constant touch with each other during the summer months. The means used for these contacts were picnics on Long Island and boat rides up the Hudson, not to mention weekends at Green Engineering Camp (where numerous fifth and sixth year engineering students were introduced to its hitherto unknown wonders).

Yes, activity and clamor seems to hover about the entire class. It was members of this group who were heard early in the fall chanting "Dom-in-ick for President," and later when the ballots were counted naturally Dom Lagana was elected President.

After two years of weathering, our ranks became quite thin, but with the end of the war new faces have started to appear among us, not those of the boys who left our particular class to serve in the armed forces, but those of students who were drafted while we were mere Freshmen (or possibly before we even took the entrance examination). In every section of our class there are several veterans who have come back to school this year, and we really are happy about it too.

Work, combined with pleasure, seems to be a fine formula for creating a friendly spirit among folks, and that attitude motivates our class. Nor is it just among the students that this friendliness prevails. Our instructors are included in the group too, as evidenced by the "coffee and pie" fetes held after school, and the gatherings held at our teachers' studios. When we go to camp you'll find almost as many instructors as students, and difficulty arises not in having too few people to go, but in condensing the group sufficiently to fit everyone in.

As for organizations, you'll find us scattered through most of them in the school, with Dance Club on Friday night after school probably heading the list. One strictly "third year" organization is that of the "FF's." For two years intermittent questions have been fired at its members (all female) but no member will wittingly reveal the meaning of the club's pass-word. The only hint one can drag from them is, "No matter what you guess 'FF' means, you're wrong!" Tsk, tsk, girls, why so close-mouthed?

As the year is drawing to a close you will notice an increasing amount of activity among us. The cause is an obvious one, to the Third Year students at least. In the fall we will begin our last year at Cooper. There are so many things we want to do and so little time in which to accomplish them that we all must work rapidly or before we know it our four-year stay will be over and our accomplishments fewer than we desire. So as the turmoil increases with our activity these words will soon be drowned out by the noise of our entrance into our Senior year of school.

seniors

day school

When we were mere Freshmen, the late Dean Clark stated, "Cooper hasn't had a class like yours in ten years!" . . . We were different, we were revolutionary, we were talented. . . . We hope you'll forgive us our lack of modesty, but it is our collective and individual opinion that the Day Art School Class of 1946 shall not be forgotten. And this is a good chance to put us in print for all posterity to read. So, if you will bear with our egotism, we shall erupt with some of the memories of our three years at Cooper.

"Twas brillig . . ." the *Jabberwocky*, of course. Edited by Rodney Winfield and advised by Miss Schutz, the *Jabberwocky*, that unique freshman magazine, was born and died with our first year. Filled with drawings, spots, poems, humor, opinions, and stories, the *Jabberwocky* was the true expression of our class's talents. Three of its biggest contributors, Rodney, Robert-Oh Paine, and Chuck Nakata, left school before graduation. As we go our different ways, we will remember them as an important part of our class. The *Jabberwocky's* last issue, feverishly finished by Paine, Nakata, and Reiman, was a 27-page swan song of our Freshman year. With it ended the unforgettable Susie, the Taubes, and the unseparated Freshman class.

Our Sophomore year found us more serious, more ambitious, and harder-working.

Mrs. Harrison's constant preoccupation with the individual problem of each student, and the many Fridays Mr. Katz spent trying to answer our sometimes unanswerable questions, and to give us some of his wealth of knowledge, did much towards making us a little more mature, and a little clearer about what we were trying to do.

During the summer landscape classes at Green Engineering Camp, held by Miss Schutz the first year, and by Mr. Dingilian the next year, we learned much through concentrated study of landscape painting.

The third year at Cooper Union found us even quieter. By now most of us knew what field we were going to embrace—to this point our experience in classes, as well as the guidance of our teachers, had brought us.

It also found us minus a few more members of our class. At the end of the freshman year, Lambino, Piagentini, Palazzo, Mandelbaum, Seriff, Karl, Abi, Glass, and Becker had left for the Armed Forces. Now Shirley Davis had married and Joan Plishner, nee Simonyi, was expecting a baby (it was a girl). Others, like Eve Morgan and Elsie Mares, had found jobs they liked and switched to the Evening School. Phyllis Skolnik migrated between the Day School and the Night School, but came back to Day School in her third year. Most of the girls had boy friends; but now, as always, we shrug our shoulders at those who say, "You're only going to get married after graduation!" Time will tell and we hope that you'll be pleasantly surprised.

It's time to end our egotistical tale. Maybe the egotism is only a cover-up because it's hard to express our real feelings. Maybe we feel like a grown-up child going away from home, sad to leave a place where we were safe and protected, and where we were given a firm foundation for the future, but happy to be free, happy to have the knowledge and the courage to make a fruitful and happy way through life. For that, Cooper Union, we can never thank you enough.

senior s

evening school

We've four groups graduating this year in Advertising Design, Architecture, Decorative Arts, and Fine Arts.

Advertising Design seemed to have more than its share of work, fun, and compatible teachers. Professor Dowden had the headaches of getting the class into an advertising frame of mind; then Mr. Marein and Mr. Doneto took over. The headaches were in varied forms, shapes, and sizes: Emma, Ruth, Murray, Russ, Walt, Arnie, Mary, Charlotte, Yvonne, Puck, John, Elsie, Lee, and Fay. The crew met pretty regularly at either the H-Bar-H chuckwagon or the Sagamore, where the RAMW laid plans for recess at McSorley's emporium. Those who failed to meet at these places probably turned into genuine artists. Either way it was swell.

Seven architects have survived the four years' struggle. Most of our time was spent burning the midnight oil—first on the Georgia Competition and then on Bloomingdale's "Charette," working night and day on the competition, with a last-minute dash to the photostater and the contest office.

We have three females graduating: Thelma Sitzler, Cooper Day Art '45, who came back for more; Celia Friedenthal, whose parting was the event of the year; and Betty Croly, whose downfall was caused by a toboggan ride.

Among the fellows we have two fathers, Cy Loftus and Ted Newler. Ted's imitation of Senator Claghorn kept us going through many a rough moment. Then there is Cy Rutkin, whose Village apartment is the envy of all; and Johnny Rodriguez, who once missed a train to camp and once jumped off the wrong one in Jersey City and had to have the evening art students patch his knee up.

Decorative Arts has a single graduate this year—Stephenie Natrella. Steve's been weaving alone and loving it. She has no competition and is always at the head of her class.

The guilty one is prize-winning Seymour Drumlevitch, standing with spray gun in hand—one of his many aids besides his natural talent for creating outstanding paintings. We now have our bearings. Who's that pretty girl standing in the corner with the easel, seriously painting away? We find it's Harriet Grief, whose paintings will help prove the equality of the sexes in the art world some day.

If you chance to meet Seymour and Harriet someday after graduation, don't be surprised if their left hands, third fingers bear the sign of matrimony.

The melody coming from the corner of the room happens to be from Vinnie Longo, while painting one of his masterpieces. If in your travels you come across a book written on jazz you will remember the author as none other than our own Vincent Longo. We love that boy.

Hiya, Nikki,—cute and clever with her roguish bangs. You just can't tear that girl away from the latest fashion issues. Then there's the busiest girl in Cooper Union—Stasia Kamienski, who, besides attending school and playing the role of housewife, edits "The Plomyls" (flame), a Polish publication. The boy who keeps them happy between six and six-thirty is free-lance cartoonist Bob Siegel, who just completed illustrating the life story of Mr. Dillinger, besides that of Jack "Legs" Diamond and many others.

Adding it all up, we know that years from now we'll look back upon the evenings spent at The Cooper Union as the most valuable in our lives.



*I have been ready to engage
in all new enterprises.*

—Peter Cooper

activities



GREEN ENGINEERING CAMP



green engineering camp

Even in their most fantastic dreams, the squires of Ringwood could not have foreseen the Green Engineering Camp, which now lies, alive and bursting, on their erstwhile property. The Cooper student of ten years ago, who spent weekends and summers in the sweltering and crowded city, never thought that his dream of a part of The Cooper Union in the country would come true. And no Yearbook of The Cooper Union would be complete without mentioning the place which, during the last few years, has developed into the major recreational activity of Cooper Union students, and where, in the not-too-distant future, an even more important part of its educational program will take place.

The Green Engineering Camp in Ringwood, New Jersey, was presented to The Cooper Union by Mr. Norman Hewitt Green as a memorial to his mother. It takes in a tract of approximately 936 acres, can accommodate 120 students, and is only 45 miles from Cooper Square. Professor J. M. Peterson is the guardian angel in charge of the camp, and Mr. Harry West is its superintendent.

The camp is available for instructional and recreational uses during vacations and on weekends all the year round. The groups, usually consisting of about fifteen to twenty students, invite a staff member to go with them. They work out their menus and food needs. Food and transportation is the only thing they have to provide themselves. The use of the camp with its acres of beautiful grounds, the comfortable rooms and dormitories, the well-equipped, up-to-date kitchen and the huge recreational lounge, which contains everything from a library and a phono-radio to a fireplace and a couch on which to relax your bones weary from studying, is free.

During the summer months, the school provides courses of instruction in surveying for the Engineering School, and in painting for the Art School, each of which are held at the camp for two or three weeks. At that time the students are provided with tuition, board, and lodging free of charge.

Last year, one half of the students at Cooper Union made use of the Green Engineering Camp. Need we say more?

s t u d e n t c o u n c i l

The present Student Council, elected last spring, came back to find student affairs in a state of turmoil. Many of the old council members had graduated; others had left school because of the draft and for other reasons—in short, the Student Council was composed of new faces and new thoughts.

For a short time, the council functioned through the efforts of temporary officers. After things had become somewhat organized, permanent officers were elected. These were Evelyn Kern (Day M. E., Sem. 7), President; Gerald Lieberman (Day M. E., Sem. 4), Vice-President; Ethel Berkow (Decorative Art, second year), Secretary; and Arthur Eisenberg (Day E. E., Sem. 1), Treasurer.

A new revitalized constitution was approved. Some of its new features are as follows: appointment of the Board of Control by the Student Council; division of the Student Council into two branches—day and evening; and permission given to lend from the reserve fund of the Activities Plan to any student activity a sum not exceeding fifty dollars.

At the moment the students at Cooper have a hardworking Council. The Splash Parties and the GI Association, backed by the Council, show how successful extracurricular activities can be, and the Council's exceedingly active campaign against the cloture-rule is additional evidence of its interest in Student Welfare.

However, elections held both in the spring and fall were rather abortive. They were marked by a poor turnout of the student body. The Council has been endeavoring to bring the students' attention to their responsibilities as Cooper citizens. In so doing, it hopes that the next election will have more interested voters.

t h e p i o n e e r

t h e c a b l e

d a n c e s

s p o r t s



A. Eisenberg, E. Kelly, J. Lieberman, E. Berke.

c l u b s

g o l d c ' s

t h e a n n u a l d a n c e

annual dance

The most exciting and most celebrated affair of The Cooper Union year is the Activities Plan sponsored Annual Dance. The planning of the dance begins far in advance of its April date. Old Cooper Union's halls resound with the words: "Sure I'd like to go, but who'll I go with?" The Male becomes the all-important element of the hour; he glories in the attention the girls lavish on him and sometimes ends up asking one of them to the "Dance."

The twenty-ninth Annual Dance took place at the Hotel Park Central. It turned out to be a gala affair, and everyone seemed to have a swell time. This year's dance will be bigger and better than any of the previous ones, with Terry Obermayr serving as the dance chairman. Lester Lawn's Orchestra will provide the music for the swirling couples, and the Cooper Union males will do themselves proud.

the activities plan

The Activities Plan, commonly known as the A. P., is a sponsored committee of the Student Council. Its main duty is the planning for, and the distributing of the financial support of the many extra-curricular activities of the Cooper Union.

The backbone of the A. P. is the A. P. pledge, which, by various and sundry means, extracts from the pockets and purses of students, the aforementioned "financial support."

It is surprising to find that the great responsibility of the A. P. is in the hands of only two students, who, by their tireless efforts, always seem to be able to make ends meet.

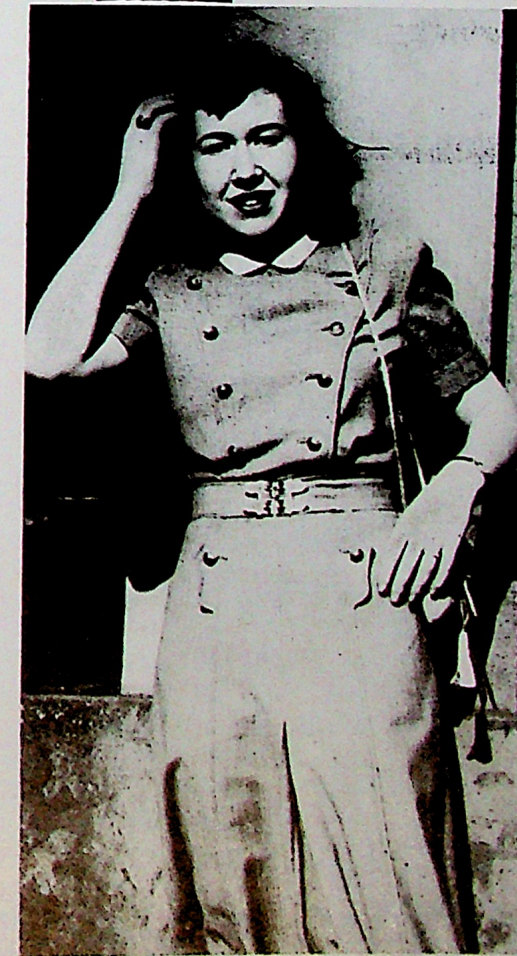
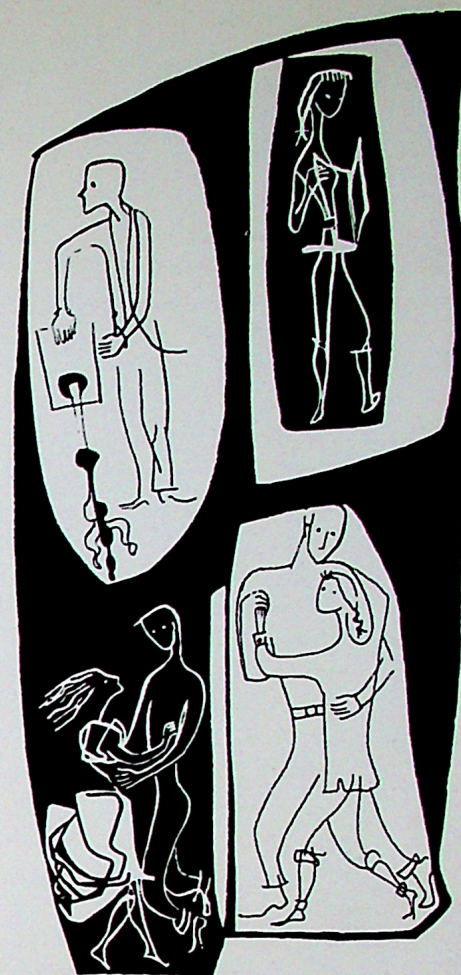
During the school year of 1945-1946, Leona Lubin and Arthur Zahradnik were chairman and treasurer respectively of the A. P. After Artie's graduation in February, Morton Tanenbaum became treasurer.

The eager freshmen of 1945 will always remember their grand entrance into Cooper Union, when Leona told them about the A. P., and the school's extra-curricular activities.

Since Leona is graduating in May, she's busy preparing Pearl Katz, a freshman day Art student, to step into her shoes next school year.

Due to the war, and to the constant flux of the student body, lack of interest and of participation in extra-curricular activities has been serious.

With the termination of the war, and the considerable influx of veterans to Cooper Union, the future of greater participation in extra-curricular activities looks brighter. The year of 1946-1947 should see the A. P. at pre-war level activity.



the cable

This page is dedicated to those energetic, school-spirited, intellectual-minded students, who are being expelled, or have already been expelled, or who are leaving under other circumstances. Ruth Reiman, the editor-in-chief, claims that she is going to graduate.

The CABLE office, which has been condemned as injurious to the health and well-being of the individual by the Department of Health, is located deep in the core of the earth, on the first floor of the Foundation Building. Within the walls of the CABLE office, the staff worked in close coordination . . . because of the small size of the office.

Ruth holds the CABLE staff under her "gentle" domination. Standing next to her receiving twenty lashes for daring to laugh during a work period is Hal Grossman, the Cable photographer. Flinching under each blow, Hal gasps—"You Fiend!" In another part of the office sits Eddie Spitzer—I mean co-literary editors, Jean Spitzer and Eddie Cohen—working on the copy sent in by other staff members. Rita Schreiner, business manager, stands guard over the cash register. Standing upon a table painting pictures upon the walls are co-art editors, Bernie Greenwald and Shirley Venit.

Anyone engaged in a type of activity such as the CABLE knows the accomplishment achieved by the staff as a whole is dependent upon the performances of the people who make up the editorial board. But in spite of all the work that we, of the staff, have done in school, and outside of school, to make this CABLE one that you and the school can be proud of, we will always remember the nights we spent in the CABLE office going over copy, Ruth screeching that the deadline will never be met, the hundreds of pictures that the photography staff had to do over, the scandals that were revealed in the PIONEER, and the many other excitements that we could have experienced only as members of the CABLE Staff.



From top to bottom: A. Ebenfield, H. Chazen, E. Cohen, B. Greenwald, H. Grossman, R. Orenstein, R. Reiman, R. Schreiner, J. Spitzer, S. Venit.

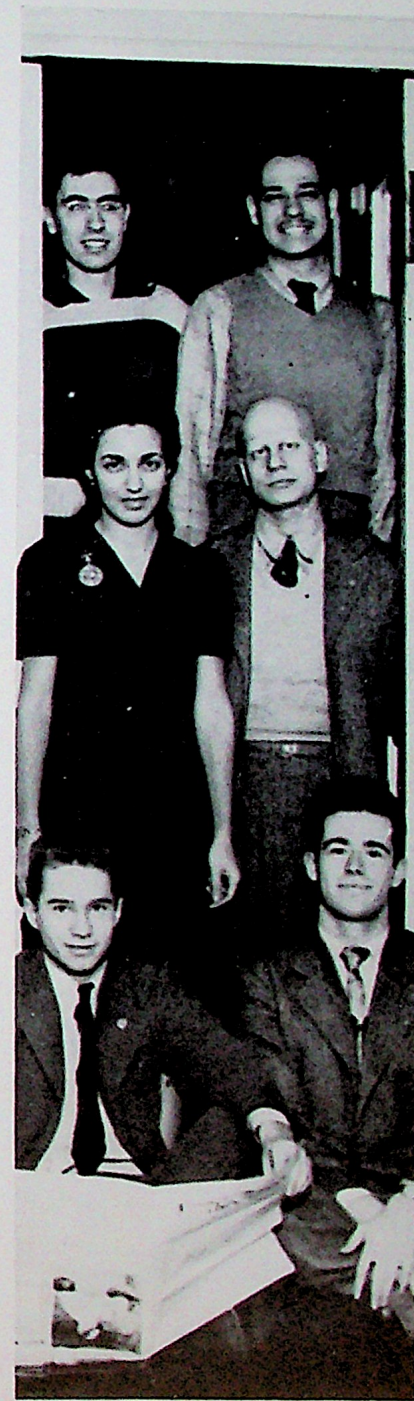
the pioneer

Agitator of school spirit, purveyor of assorted gossip, classified advertising medium, battlefield for the Art and Engineering Schools, and custodian for posterity of news of all the doings at Cooper Union and at Ringwood—that is the function of the PIONEER in the life of Cooper Union.

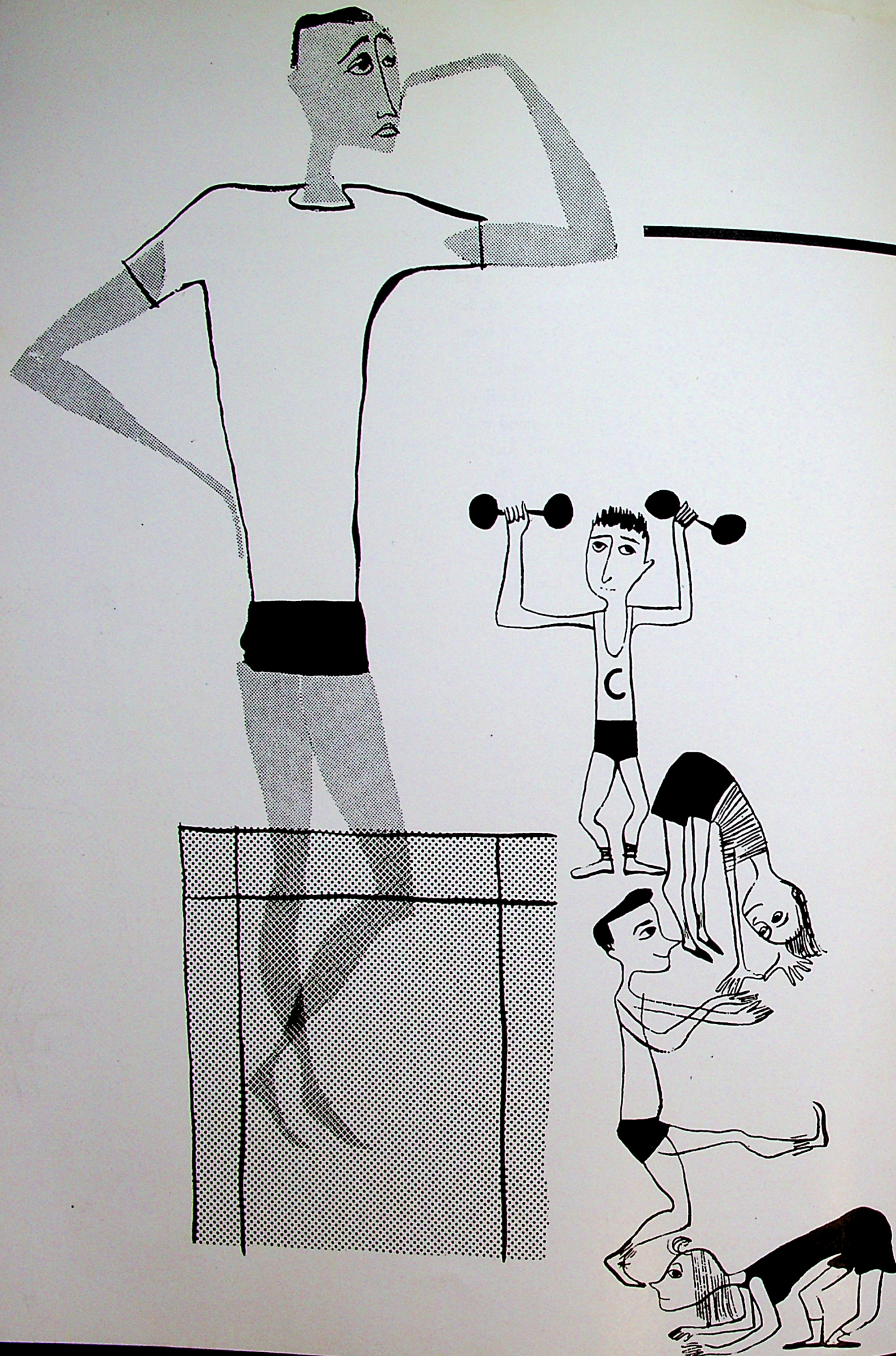
Holding the whip over the den of activity that characterizes the PIONEER office has been the ruin of many good men. To cite recent examples, Norman Austern, and his successor at the helm, Murray Zelenetz, were forced to leave school within six months of each other. The official reason given for their unseemly departures was graduation, but the staff knew that the inevitable had again caught up with the editors.

Work on the PIONEER is done on Friday nights. With the promptness and efficiency that characterizes students at Cooper Union, Staff members drop in at the office to see that their copy, usually submitted long before the deadline of Thursday afternoon, is typed neatly and well copy-read. Then the editorial board, together with the staff, attends to the matter of make-up and headline writing, and the paper is put to bed with efficiency and dispatch. The male members of the staff then retire to McSorley's for a quick round or two, and thence home to bed long before the midnight curfew, while the editors begin scouting for material for the next issue two weeks hence.

While this exposé of PIONEER life may seem idyllic, nothing has been exaggerated, nothing minimized. Hey, Ching! Fill my pipe up again, and use good opium this time!



From top to bottom: C. Jones, M. Zelenetz, B. Kopelman, N. Austern, M. Bernstein, I. Spiewak.



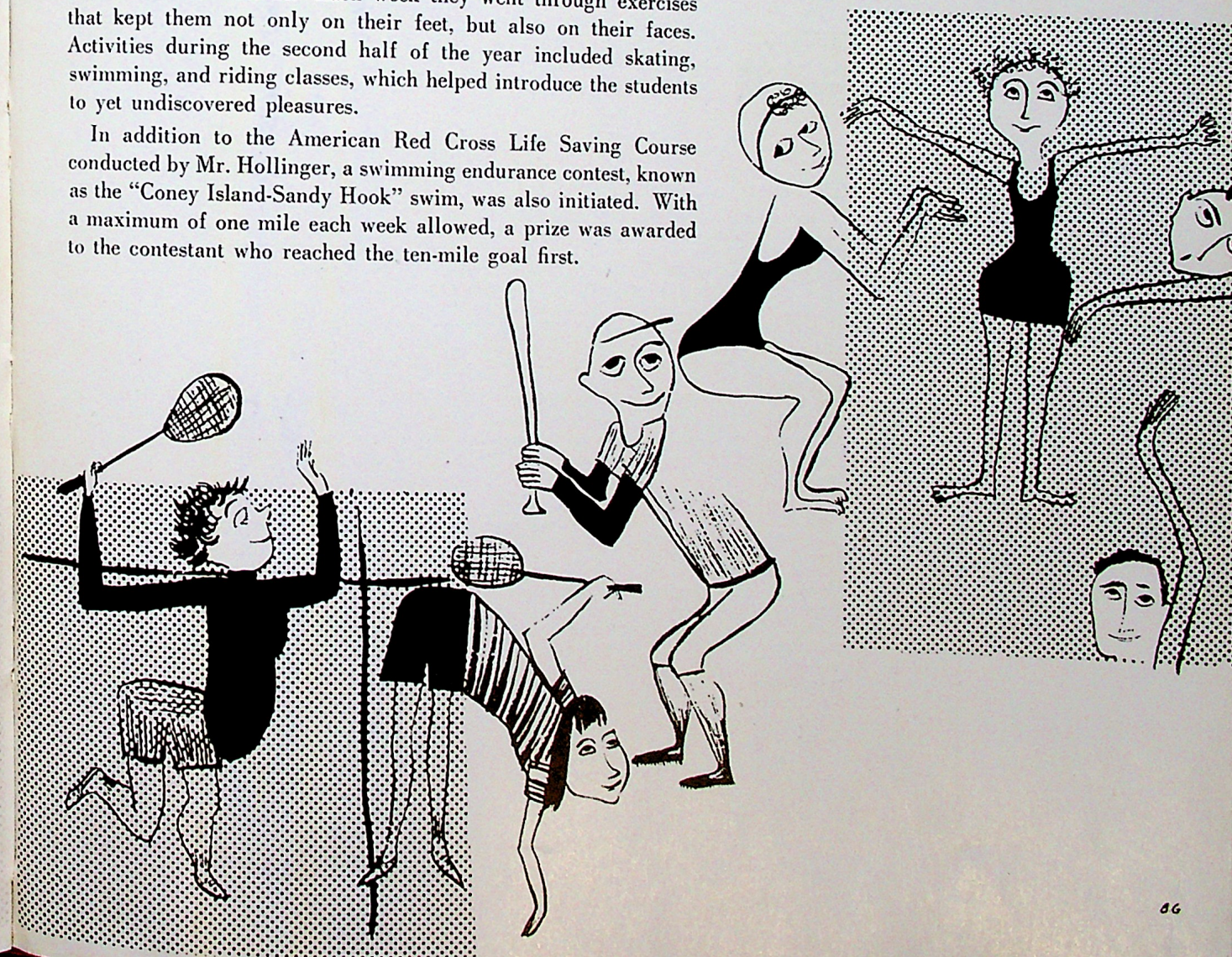
sports

With varsity sports still discontinued at Cooper Union, athletic activity during the 1945-1946 year was again confined to intramural tournaments and to unofficial students participation.

A table-tennis tournament was conducted this year. The competition was close; but last year's finalists are again expecting to battle it out for the championship—Marin, a sophomore, and Tanenbaum, a junior. Terry Obermayr and Betty Morton are both confident of winning the women's title.

The Senior Day and Third-year Art students faithfully attended their gym classes under the able guidance of Mr. Hollinger at the Church of All Nations. Each week they went through exercises that kept them not only on their feet, but also on their faces. Activities during the second half of the year included skating, swimming, and riding classes, which helped introduce the students to yet undiscovered pleasures.

In addition to the American Red Cross Life Saving Course conducted by Mr. Hollinger, a swimming endurance contest, known as the "Coney Island-Sandy Hook" swim, was also initiated. With a maximum of one mile each week allowed, a prize was awarded to the contestant who reached the ten-mile goal first.



dramatic club

All those in Cooper who have dramatic ability, or just an urge to act, have an outlet in the Cooper Union Dramatic Club. The club is financially independent, as its productions are financed by the Trustees, and can therefore carry on its activities freely. Moreover, the parts are rotated among the members to give as many people as possible a chance to act.

When Professor Lynch left Cooper Union, Professor Ralph deS. Childs of the Humanities Department, was chosen as faculty adviser, in addition to his duties as director. It is under his leadership that the Dramatic Club has been able to obtain productions of such high caliber.

The first business of the year consisted of electing officers. These are Murray Zelenetz, president, Elvia Fernandez, vice-president, and Bob Brown, secretary.

Following a long-established policy, the Dramatic Club presented two plays this season.

Before Christmas, the Dramatic Club production, the Noel Coward comedy "Hay Fever" was given with great success in the Great Hall. The acting, for the most part, was excellent, and loud and hearty laughter greeted the humorous situations in the play.

dance club

"Night and Day," in this case, is hardly a theme song, but a fact. As everyone knows there is a Day Dance Club and a Night Dance Club, to match the Day and Night Schools respectively. On Wednesday afternoons and on Friday nights, the more rhythmical of the Cooper students participate in the well known art of dancing down the stairs into the Lunchroom.

Aside from an incapacitated phonograph and the usual broken Rumba records, the clubs have fared quite well. At the beginning of this year the Day Dance Club found itself lacking a bit in the female element, but according to the latest reports all is well again.

Joe Turtill has been presiding over the Wednesday afternoons, with the help of Beatrice Kopelman and a few others of the dependable flock.

On Friday nights, the dance committee, consisting of Sylvia, Beulah, and Charlotte, can be found as a protecting cover around the phonograph.

The Lunchroom, where each Dance Club in its turn holds its meetings, has blossomed out in new color this year. The Students that returned to The Cooper Union last September were glad to see new paint upon the walls, and this has helped the gay spirit that prevails over the Dancing Clubs to continue for the terms of another year.

camera club

If you ever noticed any overloaded individuals busily engrossed in jimmying the lock of a small room off the physics lecture hall, we hope you have not responded by attacking these apparent burglars with the nearest poker. The fact is, there has been for the last two years a great confusion as to which key opens the door to that student sanctuary known as the darkroom, and the situation has been met with the aforementioned tactics.

The Camera Club started its activities in the fall semester with a bang, by calling two meetings in two consecutive weeks. The bang, unfortunately, had a shattering effect. These meetings were the first and the last of the season. The club's activities at present are restricted to the darkroom, where you can frequently hear a forlorn call sounding through the night, "Who stole the chemicals?"

Actually, the score of the club's activities includes co-operation with the Cable to produce photographic illustrations. The winners in the recent snapshot contest, which (unfortunately) was not entered by any club members because of other activities, are just a few pages away. The contest was sponsored by the club and judged by the club's faculty advisers, Mr. Ruf and Mr. Mainardi.

debating society

One of the very few intercollegiate activities of the Cooper year was the Debating Society. The subjects for debate were topics of current events and problems of world interest.

The debates participated in by Cooper were sometimes used to stimulate a discussion group, and sometimes broadcast as a radio forum, but in all of them a spirit of friendly competition prevailed. Held with many New York colleges, and nearby teams, such as West Point, the debates provoked thorough and lively discussion. For the student who participated in the debates, the rewards are an increased ability to speak in public, a keener sense of the logic of arguments, a sharper wit, and a development of the art of quick thinking.

The society was small, but it was made up of members actively interested in participation in debates. Eugene Torgow, President until January, William Shanahan, who took over the office in the June term, and Jerry Bentkowsky carried the bulk of the tests. Two lower-class debaters, Irwin Landau and Alvin Krinsky, engaged in several debates each. Mr. Caldiero, instructor in English, was the faculty adviser.

math club

A revival of the Math Club was attempted this fall after over a year's dormance. Professor Miller, the club's proctor, started its activities by giving a lecture on the history of imaginary numbers, and pointed out the possibilities of their application to phenomena. At the next meeting, the president, Leo Birenbaum, introduced to the members the complexities of the calculus of finite differences. Donald Nelson closed the semester program with a talk on Serial Orders.

For those who could detect humour in the declining membership of a society, the Math Club afforded plenty of amusement. There existed an increasing reluctance on the part of the members both to attend meetings and to give lectures. The club's officers, however, do not believe that mathematics is essentially uninteresting to the students of an engineering school, but that the apparent apathy resulted from the small size and the instability of the student body, which gave little incentive to engage in additional technical studies after spending long hours on them during the day.

discussion club

The Tom Paine Discussion Club is one of the most recent and versatile of Cooper Union's student organizations. The Club was started in the Spring of 1944 by Phyllis Belous, with Dr. Churchill acting as its faculty adviser. In the fall of 1945 Professor Embler, the present Head of the Humanities Department, succeeded Dr. Churchill as advisor and has shepherded the Club through a fruitful year.

The Club was founded by a group of world-conscious and serious-minded students who felt the immediate need for serious discussion of national and world events. Its purpose is to arouse a greater and more intense interest and to stimulate deep thought on national and international problems.

The activity of the Tom Paine Discussion Club consists of the holding of bi-weekly discussion meetings. The topics for discussion are usually chosen by vote of the members. Aside from holding their international discussions, the group occasionally invites outside speakers who are authorities on their chosen subjects. If the topic is of a controversial nature, both sides of the question are presented. The students representing opposing factions have delivered well-thought-out speeches in the past year.

literary club

You read about blood dripping from the murder knife, ghosts throwing pancakes, snow that suddenly has no bottom, salamanders creeping up the spine, what goes on inside a person's brain as you travel with his corpuscles, and you know the literary club has been at work! We're all bursting with brilliant ideas about the dreamiest and most imaginative subjects, and we have a wonderful time doing it. Dr. Buckingham probably has nightmares after his usual lunch-hour session with us on Mondays, but he always comes back for more!

Don't get us wrong; we can write fairy tales and fantasies, too; and our jingles cause many a chuckle! Our "Big Brains" can write about any subject from the earth to Pluto. But please don't ask the exact number of miles between them!

All this, believe it or not, comes from less than a dozen Art students. The engineering students either aren't interested or are afraid of the competition!

Who are we? Well, just to mention a few: Wally Chu, Annette Dick, Lotte Heilbrunn, June Goldstein, Pearl Katz, Frank Irwin, Harold Comerro, Larry Bernstein, Jackie Lang, Mary Flaherty, and Sally Fairchild.

yacht club

"Yo-ho-ho and a bottle of rum; pass it around once again, boys and girls,—the case of Coca-Cola, I mean."

To the tune of this cheery sea-chanty, slightly revised for the needs of Cooper, some sixteen sailing Cooperites got together last December to form a Yacht Club. After a couple of preliminary organizational meetings, the club adopted a constitution, and was provisionally recognized by the FCSR on December 14, 1945.

Since that time, the club has flourished and become recognized as an important activity of The Cooper Union. At the annual meeting of the Intercollegiate Yacht Racing Association on January 29, 1946, the Cooper Union Yacht Club was accepted into the organization as an associate member. This association sponsors a series of spring and fall regattas at their member clubs, which include M.I.T. and Passt Jucard Academy. Meantime to while away the idle winter months, the Cooper Yacht Club has sponsored several other activities.

Professor C. Higbie Young is the faculty adviser, and officers for the 1946 season are J. T. Selldorff, commodore; Peggy Reynolds, vice-commodore; and Joseph Solomon, secretary and treasurer.

Silver C

Norman Austern
Phyllis Belous
Leona Lubin
Betty Morton
Alphonse Normandia
Theresa Obermayr
Ruth Reiman
Claire Rosenman
Thelma Sitzer
Arthur Zahradnik
Murray Zelenetz
Gold C
Murray Bornstein
Edwin Cohen
Ronald Craik
Jeanne Drabkin
June Goldstein
Bernice Greenwald
Harold Grossman
Lotte Heilbrunn
Pearl Katz
Evelyn Kern
Beulah Kirschner
Sophie Kowal
Milton Levine
Gilbert Marin
Rose Mellman
Rhoda Nelson
Nathan Pepper
Rheita Schreiner

honor awards

Thomas Selldorff
William Shanahan
Irving Spiewak
Jean Spitzer
Shirley Venit
Lambda Tau
Murray Bornstein
Charles Jones
Al Normandia
Charles Spiewak
Ex Post Facto
Edwin Cohen
Bernice Greenwald
Harold Grossman
Ruth Reiman
Rheita Schreiner
Jean Spitzer
Shirley Venit

Adams, Shyrlee 820 West End Ave., New York, N. Y.
Aglietti, Hugo L. 48-35 43rd St., Woodside, N. Y.
Baumgartner, Frank F. 434 Rahway Ave., Woodbridge, N. J.
Belous, Phyllis M. 2379 Creston Ave., New York, N. Y.
Bender, Priscilla 2200 Morris Ave., New York, N. Y.
Bernd, Leslie H. 608 East 9th St., New York, N. Y.
Bifano, Vincent J. 115-40 134th St., So. Ozone Park, N. Y.
Bowne, Barre 301 East 21st St., New York, N. Y.
Brand, Warren H. 384 William St., E. Orange, N. J.
Brasemann, Arthur A. 45 Second St., Hoboken, N. J.
Brown, Robert O. 201 East 40th St., New York, N. Y.
Burgeman, Matilda E. 1364 Lexington Ave., New York, N. Y.
Chait, Irving 724 Stone Ave., Brooklyn, N. Y.
Chorney, Harold 220 Kingston Ave., Brooklyn, N. Y.
Cohen, Leila I. 4705 44th St., Woodside, N. Y.
Cohen, Theodore L. 6801 Bay Pkwy., Brooklyn, N. Y.
Colon, Isabel M. 500 West 190th St., New York, N. Y.
Craco, Marie R. 2429 Lyvere St., New York, N. Y.
Croly, Marie 71 Columbia Hts., Brooklyn, N. Y.
Davidson, Garith 2259 Creston Ave., New York, N. Y.
Dickerson, Daniel J. 14 East Curtis St., Linden, N. J.
Dohi, Corinne 74 St. Marks Pl., New York, N. Y.
Dorrance, Gladys E. 231 West 69th St., New York, N. Y.
Dromlevitch, Seymour 4405 14th Ave., Brooklyn, N. Y.
Du Fau, Yvonne R. 651 West 178th St., New York, N. Y.
Elorduy, Leonor M. 301 East 38th St., New York, N. Y.
Ensminger, Stanley W. 14 Charlotte St., Brooklyn, N. Y.
Ericson, Lillian A. 357 Franklin Ave., Ridgewood, N. J.
Falk, John F. 123 Church St., Boonton, N. J.
Ferenon, Claire P. 312 Linder Blvd., Brooklyn, N. Y.
Fernandez, Elvia 63-28 Booth St., Rego Park, N. Y.
Fischer, Irwin 2 Hinchley Pl., Brooklyn, N. Y.
Fleisher, June 307 Martense St., Brooklyn, N. Y.
Fogel, Lillian 338 East 87th St., New York, N. Y.
Fogel, Ruth 1469 West 8th St., Brooklyn, N. Y.
Foppiani, Gloria M. 24 Charles St., New York, N. Y.
Forman, Fay 8014 19th Ave., Brooklyn, N. Y.
Friedenthal, Celia 2321 East 24th St., Brooklyn, N. Y.
Friedman, Daniel 2032 Creston Ave., New York, N. Y.
Gardner, Charles W., Jr. 9341 209th St., Bellaire, N. Y.
Ginsberg, Claire 669 Crown St., Brooklyn, N. Y.
Goldberg, Beatrice 2345 Broadway, New York, N. Y.
Gorky, Henry M. 1857 Washington Ave., New York, N. Y.
Greengold, Florence C. 358 N. Columbus Ave., Mt. Vernon, N. Y.
Goldman, Leonard 1002 Foster Ave., Brooklyn, N. Y.
Greenwald, Bernice 860 Grand Concourse, New York, N. Y.
Grief, Harriet 156 2nd Ave., New York, N. Y.
Haring, Dion B. 1848 Steinway St., Long Island City
Hauck, Frank E. 8602 Park Lane South, Woodhaven, N. Y.
Hoffer, Doris E. 123 West 13th St., New York, N. Y.

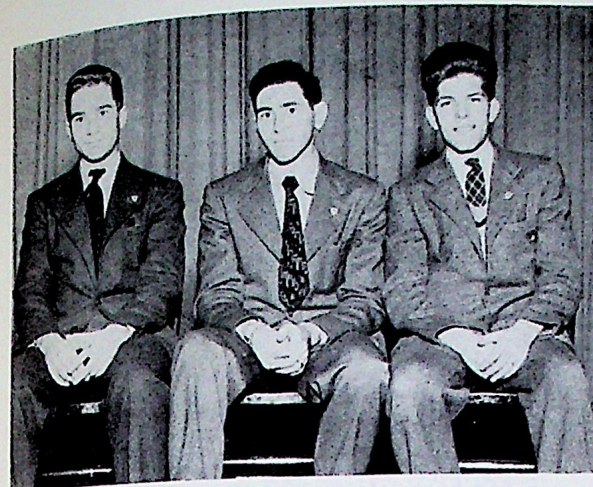
r e g i s t e r

Hubert, Charles I. 5330 70th St., Maspeth, N. Y.
Hymas, Dorothy M. 1476 Richmond Rd., Dongan Hills, N. Y.
Ingberman, Arthur K. 1409 Ocean Pkwy., Brooklyn, N. Y.
Jacobs, Murray 3071 West 2nd St., Brooklyn, N. Y.
Jacobs, Pauline 1807 Greenport Rd., Far Rockaway, N. Y.
Jarvie, John T. 31 Wilson Ave., Kearny, N. J.
Jessor, Howard 139 Payson Ave., New York, N. Y.
Johanesen, Oscar C. 158 Nesbit St., Weehawken, N. J.
Jones, Charles H. 206 61 St., Brooklyn, N. Y.
Kaartiner, Elsie F. 25 East 10th St., New York, N. Y.
Kalakura, Mary 3946 48th St., Sunnyside, N. Y.
Kamienska, Stanislaw A. 2454 85th St., Brooklyn, N. Y.
Kelberg, Leo 1220 Morris Ave., New York, N. Y.
Kern, Evelyn 59-29 69th Ave., Brooklyn, N. Y.
Klein, Patsy R. 73 St. Marks Pl., New York, N. Y.
Knoeller, Alice M. 14 East 16th St., New York, N. Y.
Kolodny, Florence R. 1915 Billingsley Terr., New York, N. Y.
Kravitz, Sidney 504 Grand St., New York, N. Y.
Krohn, Henry 12 Brooklands Apt., Bronxville, N. Y.
Kurland, Florence 3511 Avenue S. Brooklyn, N. Y.
Kushins, Paul 795 Garden St., New York, N. Y.
Laboskie, Andrew 106 Center St., Clifton, N. Y.
Landau, Emma 301 East 61st St., New York, N. Y.

Lebowitz, Pearl M.	4618 18th Ave., Brooklyn, N. Y.
Lepslter, Irving	1123 Avenue K, Brooklyn, N. Y.
Lerner, Henrietta	104-17 113th St., Richmond Hill, N. Y.
Levine, Milton A.	1436 Stuyvesant Ave., Trenton, N. J.
Levowitz, Harriet	333 West 57th St., New York, N. Y.
Loftus, Cyril S.	257 Prospect Pl., Brooklyn, N. Y.
Longo, Vincent J.	412 Lake St., Brooklyn, N. Y.
Lorch, Albert V.	120 Cabrini Blvd., New York, N. Y.
Lubin, Leona	79 Stecker St., Newark, N. J.
Luckman, Charlotte	1035 Hall Pl., New York, N. Y.
Maddi, Grace T.	401 East 80th St., New York, N. Y.
Marshall, Jean W.	Three Springs Farm, Califon, N. J.
Mauklin, Jean	425 East 86th St., New York, N. Y.
Mellman, Rose	4910 17th Ave., Brooklyn, N. Y.
Miner, Frank W. Jr.	68 Haseco Ave., Port Chester, N. Y.
Morton, Betty D.	82-67 166th St., Jamaica, N. Y.
Mostowy, Marion	1136 Colgate Ave., New York, N. Y.
Mullen, Albert F.	2057 First Ave., New York, N. Y.
Natrellia, Stephanie	2964 Avenue S, Brooklyn, N. Y.
Nelson, Rhoda	1745 East 18th St., Brooklyn, N. Y.
Newler, Theodore	3530 De Kalb Ave., New York, N. Y.
Newman, Kenneth	37 Clinton Pl., Mt. Vernon, N. Y.
Nicholas, Mary I.	1177 3rd Ave., New York, N. Y.
Obermayr, Theresa	2877 Philip Ave., New York, N. Y.
Odes, Zelda	68 West 238th St., New York, N. Y.
O'Donnell, Anne E.	46 Clark Ave., Bloomfield, N. J.
Palamaro, Joseph P.	340 Randolph Ave., Jersey City, N. J.
Papazian, Alice M.	235 Lexington Ave., New York, N. Y.
Peters, Mary	439 West 47th St., New York, N. Y.
Piperno, Melvin H.	14 West Lena Ave., Freeport, N. Y.
Plawski, Edmond S.	104-09 201st St., New York, N. Y.
Popp, Florence F.	316 East 25th St., New York, N. Y.
Prival, Gloria	612 East 8th St., Brooklyn, N. Y.
Provan, Shirley P.	2065 St. Raymond Ave., New York, N. Y.
Ranchen, Norman E.	135 East 122nd St., New York, N. Y.
Reiman, Ruth	80-20 Broadway, Elmhurst, N. Y.
Reiter, Abraham M.	1103 Lincoln Pl., Brooklyn, N. Y.
Rodriguez, Arcadio J.	239 East 13th St., New York, N. Y.
Rosenbluth, Doris	930 Fox St., New York, N. Y.
Rosenman, Claire S.	656 Lafayette Ave., Brooklyn, N. Y.
Rosbach, Erwin O.	148 Herkimer St., Brooklyn, N. Y.
Rubin, Frank L.	285 Lincoln Pl., Brooklyn, N. Y.
Russell, Walter	306 East 6th St., New York, N. Y.
Rutkin, Seymour	9 Bank St., New York, N. Y.
Sahol, Richard W.	359 East 137th St., New York, N. Y.
Scherer, Jerome	3433 DeKalb Ave., Bronx, N. Y.
Schneider, Dorothy R.	331 First St., Jersey City, N. J.
Schoen, Margaret V.	15 Abingdon Sq., New York, N. Y.
Schwartz, Avital R.	611 West 111th St., New York, N. Y.
Scott, Alex	1367 Albany Ave., Brooklyn, N. Y.

r e g i s t e r

Scovrowek, Joseph	331 Broadway, Passaic, N. J.
Shakin, Miriam	1084 Gerard Ave., New York, N. Y.
Shanahan, William J.	23-19 31st Ave., Long Island, N. Y.
Siegel, Robert	1862 East 14th St., Brooklyn, N. Y.
Simon, Eleanor	158 East 31st St., Brooklyn, N. Y.
Sitzer, Thelma	623 Avenue O, Brooklyn, N. Y.
Skolnick, Phyllis	6 Hampton Ct., Brooklyn, N. Y.
Stephens, Wesley P.	151 Schench Ave., Great Neck, N. Y.
Suchow, Helen	47 Norfolk St., New York, N. Y.
Sweet, Russell G.	35-17 30th St., New York, N. Y.
Teichberg, Harold	2133 Daly Ave., Bronx, N. Y.
Traub, Ida A.	1455 Bryant Ave., New York, N. Y.
Turbiak, Walter M.	235 Dean St., Brooklyn, New York, N. Y.
Turk, Evelyn	281 River Rd., Grand View, N. J.
Van Natta, Muriel F.	606 Walnut St., Roselle Park, N. Y.
Venit, Shirley	170 South 4th St., Brooklyn, N. Y.
Warshawsky, Arnold	311 West 24th St., New York, N. Y.
Webster, Mary A.	8500 4th Ave., Brooklyn, N. Y.
Widmer, Wilber	6109 Park Ave., West New York, N. Y.
Wittes Monroe	1055 Findlay Ave., New York, N. Y.
Youngblood, Frank	148 Clifton Pl., Brooklyn, N. Y.
Zahradnik, Arthur J.	517 East 77th St., Brooklyn, N. Y.
Zallen, Charlotte	2732 East 27th St., Brooklyn, N. Y.
Zelenetz, Morris	468 East 94th St., Brooklyn, N. Y.



M. Bornstein, I. Singer, T. Hein.

a. s. c. e.

The Cooper Union Student Chapter of the American Society of Civil Engineers, although hampered by unusually low membership, managed to carry out a full program of lectures and motion pictures this year, in accordance with its constitutionally established purpose: "To promote and further the interest and standing of its members in the engineering profession and to develop a spirit of co-operative service in professional, civil and social life for the common good of all."

Although all the Day School civil engineering students above the freshman year, and nearly all of the Night School students in the same category, are enrolled in the Chapter, its membership decreased because of the effects of Selective Service on the one hand, and graduation on the other. Notwithstanding this handicap, the Chapter was able to maintain its active status, guided by Abe Blumberg, President; Irvin Singer, Vice-President and Treasurer; Murray Bornstein, Secretary; and Professor Ray C. Brumfield, Faculty Adviser.

Highlighting the Chapter's programs for the Fall Semester of 1945 were lectures by Dr. K. C. Reynolds, Head of the Civil Engineering Department, and an official U. S. Navy hour-long sound-accompanied motion picture on the construction, maintenance and operation of the floating drydocks. The first lecture by Dr. Reynolds was one that had proved so interesting when it was given the preceding year the Chapter members asked him to repeat it: "A Model Study of the Cape Cod Canal," illustrated with slides, and a motion picture showing the work that Dr. Reynolds had done in duplicating natural conditions on a large-scale model of the actual project. The second lecture, also slide-accompanied, concerned flood-control measures taken in the Mississippi River Valley, and proved just as interesting as the first.

The Navy film on floating drydocks, supplied by the Society, gave a visual description of the birth of the floating docks that helped bring the Pacific war to a swift conclusion. These drydocks, ranging in size from those meant to tend for the smaller supply ships of the Navy to those that could hold the largest ships of the line, were problems in constructural design and hydraulics to the solution of which civil engineers may point with pride as contributing greatly to the success of the war efforts.

This year also marked the retirement of Mr. William H. Yates as Contract Member of the Chapter. Mr. Yates, whose twenty-odd years of faithful service to the Chapter were terminated because of ill health, was succeeded by Mr. Miles H. Van Buren, with whose help the Chapter hopes to rise to even greater success in promoting and furthering "the interest and standing of its members in the engineering profession."

In 1926 the faculty commissioned five outstanding seniors to found a society to afford recognition to those students of high scholastic ability who possess such integrity of character and breadth of vision as have commanded the respect of their associates. This action resulted in the establishment of the Mu Alpha Omicron, the Honor Society of The Cooper Union School of Engineering.

Since 1940 both day and evening students have been included among the fraters of the society. The evening men with their mature viewpoint have greatly strengthened Mu Alpha Omicron, and their contribution to the society is testimony to Peter Cooper's faith in night education.

The activities of Mu Alpha Omicron have included the awarding of cash prizes to encourage improvement in scholastic performance, stimulating interest in extracurricular activities, and the maintenance of a very successful program of summer tutoring.

mu alpha omicron

Tutoring for fall re-examinations begun in 1940, assisted in increasing the percentage of passing grades. Last summer courses were given in College Algebra, Descriptive Geometry, and Chemistry. Since this program was first instituted, many students have been helped. It may be expected that the courses given only to the night school students during the war will be extended to the day school this summer.

Once each year the society inducts new members at a formal induction dinner. The dinner furnishes an excellent opportunity for student and graduate members of both Day and Evening Schools to meet each other and exchange ideas. At the induction dinner of 1945 the many Beta members present (that is those who had left school) told of their experiences since leaving Cooper Union. Dean Bateman suggested that other informal meetings be held at which students and graduates could get together more frequently.

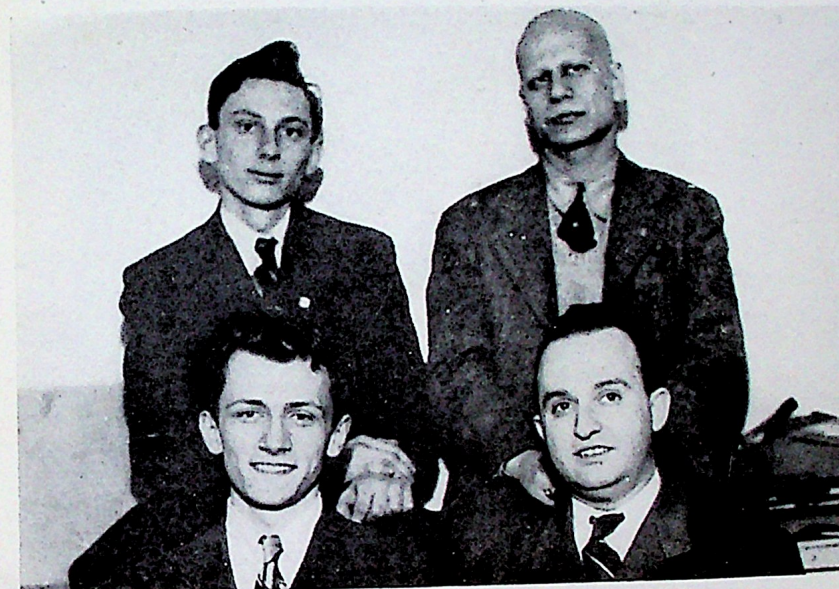
The Mu Alpha Omicron has worked out a program for the future which should carry on its high standard of service.

Honorary Members

Edwin S. Burdell
Norman L. Towle

Faculty Members

Frederic H. Miller,
Faculty Adviser
Donald Deed
Emanuel Salma
William A. Vopat



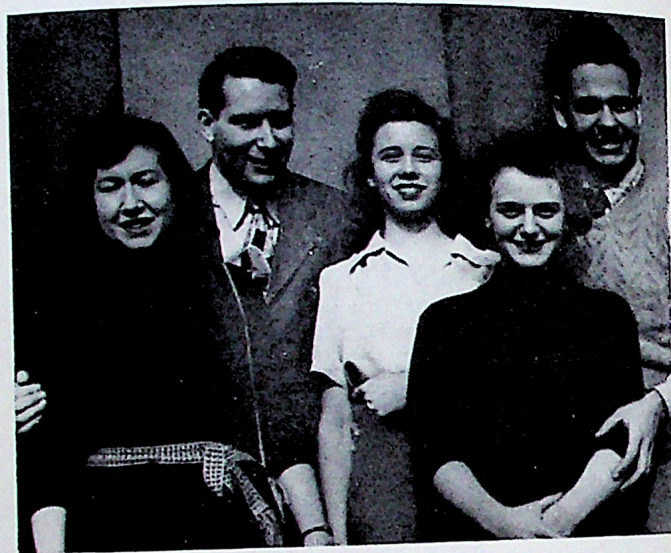
L. Birenbaum, N. Austern, W. Shanahan, F. Hawk.

Student Members

William J. Shanahan,
Chancellor
Norman Austern
Abraham Blumberg
Leo Birenbaum
Reichert Bruckman
Irving Chait
Daniel Gorky
Frank F. Hauck
Arnold Kelly
Evelyn Kern
Theodore Neustern
Nelson Walker
Wilbur Widmer

Norman Austern,
Chancellor Emeritus
Murray Zelenetz,
Chancellor
Leona Lubin,
Vice-Chancellor
Betty Morton,
Recording Secretary
Elliot S. Kohn,
Exchequer
Ruth Reiman,
Corresponding Sec'y
Murray Bornstein
Alphonse Normandia
Irving Spiewak
Sam Smookler

lambda tau



L. Lubin, E. Kohn, B. Morton, R. Reiman, M. Zelenetz.

Lambda Tau serves as an honor society for outstanding staff members of The Cooper Union PIONEER. It is the duty of its members to strive to develop the highest standards of college journalism for The Pioneer.

For the past two years, Lambda Tau members performed a valuable service for ex-Pioneer staff members and Cooper students in the Armed Forces by publishing a monthly mimeographed "Newsletter." The "Newsletter" is made up of letters written by them, of news from them, and news about the goings on at Cooper Union. Originally the idea of Walter Landauer, one-time editor of the Pioneer, "The Newsletter" was carried on by Ruth Reiman, Elliot S. Kohn, Norman Austern and Betty Morton, and became an important tie among Cooper Union Students all over the world.

Lambda Tau also serves as a social organization. The Lambda Tau parties, to which all Cooper Students are invited, are held at the Alumni house. The biggest and most popular in the school, they also serve as a happy reunion for Cooper Students in the Armed Forces and their friends attending school.

This year Lambda Tau revised its constitution to fit present needs. Among the added membership requirements is the following: "That no one should be a member of Lambda Tau who, by word or deed, shows religious or racial prejudice of any sort."

Fratres in Facultate
Professor J. M. Peterson
Professor H. F. Roemmele
Mr. E. Salma
Professor W. A. Vopat
Professor H. W. Merritt

Fratres in Collegio
Arnold Kelly
Charles Jones
Jerome Bentkowsky
Stanley Macklis
William Shanahan
Arthur Ingberman



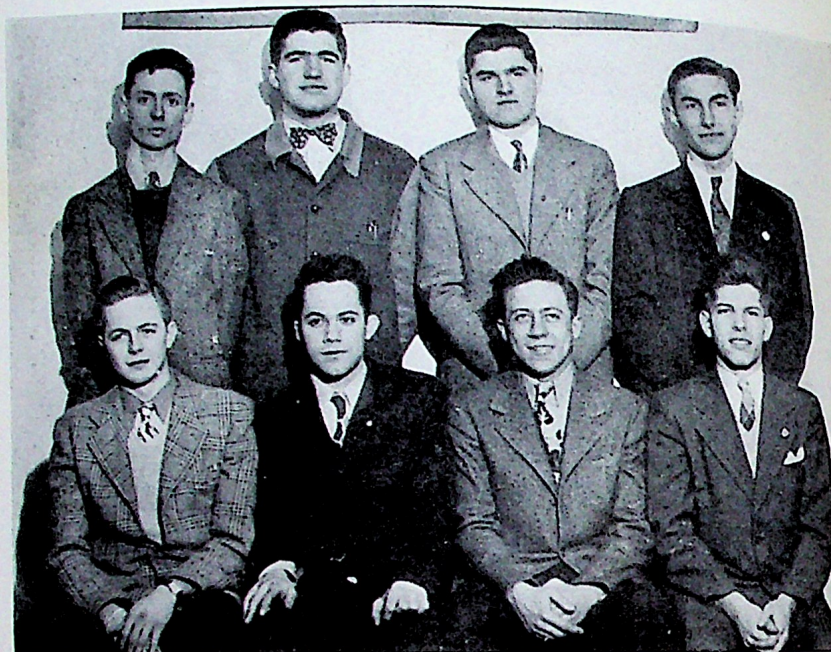
Standing: C. Jones, A. Kelly, S. Macklies, I. Kuhlik, L. Naphtali. Sitting: W. Shanahan, A. Ingberman, J. Bentkowsky.

lambda sigma kappa

This fraternity, from its founding in 1905 to the present date, has had as its basis the quality most rare among college fraternal organizations—non-sectarianism. This tenet of the Fraternal Code permits the induction of brothers on the basis of character and scholarship without limitations on their race, creed, or color. The fruits of this practice are evidenced in the enviable record established by the brothers of Lambda Sigma Kappa in all phases of activity.

The dances, parties, camp groups, boat rides, smokers, and beach parties formerly held by the fraternity have been curtailed because of the accelerated program and reduced membership, but they have been held as often as possible, and life in Lambda Sigma Kappa has been quite lively. It is hoped that the return to a semester basis, accompanied by the return of the fraternity's many servicemen, will permit a resumption of normal activities.

Escape from work and women make the Friday night meetings a source of pleasure to the brothers. It is curious that these night-long sessions usually involve the recounting of individual troubles, discussion of girls in general and particular, and the solution of tough homework problems. However, for one night, the world is theirs, and many problems of major importance to them, UNO, Electric Circuits homework, labor peace, the Senior Art class—are solved between dinner, the official meeting, and card and ping-pong games.



Standing: B. Byrne, G. Mueller,
V. Williams, D. Haring. Sitting: S.
Krumholz, A. Zahradnik, R. Foss,
T. Hein.

omega delta phi

Omega Delta Phi was founded in 1903 by a small but energetic group of Cooper Union Night Students in order to strengthen and preserve their friendships. During the rapid expansion of the fraternity in the following years, in which an Alumni organization and four additional chapters were formed, Delta chapter, one of these four, was established in 1928 at Cooper Union Day Engineering School.

Since social life at Cooper Union is limited, the fraternity assumes a more important role in this direction than it ordinarily would. Through its frequent social functions an opportunity is offered to gain new friends among both the older members of the fraternity and the undergraduates and graduates of other schools, as well as to strengthen friendships already made. The fraternity also develops in its officers and committee members a strong sense of responsibility, which is essential to the engineering graduate.

Each year a freshman reception is held at the fraternity room for the members of the incoming class who are introduced to the fraters and made acquainted with the organization of the fraternity.

The fraternity rooms are conveniently located at 4 St. Marks Place. Anyone seeking friends and good companionship can find them there.

Chapters

Alpha—Cooper Union, Night
Beta—Brooklyn Polytech
Gamma—NYU Commerce
Delta—Cooper Union, Day
Epsilon—B'klyn College

Fratres in Collegio:

Bernard J. Byrne
Jules L. Chaboty
Robert J. Foss
Dion B. Haring
Theodore C. Hein
Stanley G. Krumholz
Frank W. Miner
George Mueller
Victor C. Williams
Arthur J. Zahradnik

Fratres in Servizio:

Charles Alverson
John Barth
Donald Butler
*Edward Church
Henry Cook
Raymond Dahl
Charles Damm
Steven Eining
Charles Erway
George Everson
Joseph Fegan
Robert Fredericks
John Fulleylove
Panos Galidas

Craig Garretson
Sherman Glass
John Harrington
Raymond Horky
Frederick Horn
Ernest Juhl
Arthur Kelman
Frank Koniges
Walter Koroshetz
Byron Ledgerwood
Frank Lefeber
Thomas Longergan
Walter Ludwick
Bernard McLaren
John Meng
Charles Mertz
Howard Miller
William Moore
John Nichols
Edward Norman
Emidio Peluso
Clifford Peterson
Kenneth Petry
Robert Rice
Charles Rohrs
George Rolly
Frank Rom
John Scmitt
William Schmitt
Joseph Sieffert
John Smith
Edmund Trunk
Frederick Urban
Frances Walsh

* Killed in action.



W. Christ, C. Bussow, I. Caviola, S. Morrison.

What good is the Alumni Association? That is the question most frequently asked by students—and particularly Seniors. What good does it do? What does it hope to do? What can it do for me? Why should I join it?

The basic answer to all these questions is given by Peter Cooper in his letter accompanying the Deed of Trust: "I desire to make this institution contribute in every way to aid the efforts of youth to acquire useful knowledge, and to find and to fill that place in the community where their capacity and talents can be usefully employed with the greatest possible advantage to themselves, and the community in which they live." The purpose then, resolves itself into three parts: to help each other; to help the community; and to help The Cooper Union.

To carry out these aims the Alumni Association has established a club house where the old and the young alumni can meet, become acquainted with each other, and learn each other's problems. We perpetuate the intention of the Founder. Through our Board of Governors we influence the affairs of the community.

For the purpose of assisting graduate engineers in obtaining their professional licenses, we have established a school for graduate engineers in our club house. Its chairman is Mr. Joseph Rofman, an experienced engineer of the class of 1928. We also have a monthly lecture program attended by many alumni. At these meetings, alumni prominent in their particular fields discuss the newest phases, theories, and practices used in present-day architecture, chemistry, and engineering. Mr. Charles Goodman, a well-established engineer of the class of 1905, is the chairman of the Lectures Committee.

Post-war activity is finding us well prepared to place our members in their chosen fields of endeavor through our employment service. This service has been firmly established with many engineering and manufacturing companies, and is handled by

Henry D. Williams—Honorary President
Martin S. Noble—President
Joseph Rofman—First Vice-President
Charles Giraud—Second Vice-President
Walter Christ—Secretary-Treasurer

our executive secretary, Miss Mildred Zadek.

The facilities at the club house include a game room and a lounge, besides a mailing address in New York for those of our members who find it convenient.

These are only a few of the many services offered to the alumni of the Cooper Union. Naturally the Alumni Association hopes to do much more. It wants to see that The Cooper Union continues on its path to greater heights; it wants to secure general public recognition of Cooper Union achievements; it wants, always and most of all, to assist the graduate to arrive at a position where his abilities are put to the greatest usefulness. Through group activities the Alumni Association wants to become the powerful influence in the community that Peter Cooper dreamed would be able to improve economic and political conditions.

It is only through new members, young blood with high ideas and high purpose, with resolution and courage to fight for their ideas, that we can rise to new heights. Each and every student and every graduate should feel some gratitude for the benefits he received at The Cooper Union. To show that gratitude he will want to do something for Cooper and for the world. We hope that through the Alumni Association, he will be able to add his bit. When all of the "bits" are taken together, they make a mighty force.

New ways of expressing our gratitude, satisfying real needs, correcting urgent dissatisfactions, improving existent methods are the constant aims of the Alumni Association. "If you do not think that what we are doing is the best way, tell us. Tell us how to do it. We are anxious to learn. We are anxious for you to join us. Join us and help us in the way we are going, or show us a new way. In any case join us. We want you to be one of us." This is the Alumni Association's appeal to you.

alumni association



Back: R. Grace, D. Woods, M. Meadows. Front: V. Bonardi, J. Palamara, R. Serrapica.

n e w m a n c l u b

The Newman Club is an important part of the school life of every Catholic student. It is a club of Catholic culture and fellowship, organized in non-Catholic colleges and universities of the United States, Canada, Puerto Rico and Hawaii.

The first Newman Club was founded at the University of Pennsylvania in 1893. At the present time there are over 250 Newman Clubs throughout America. These clubs are joined together in an international organization called The Newman Club Federation.

To facilitate the work of the Federation, Provinces have been organized in the different sections of the country. We of the Cooper Union Newman Club are fortunate in being a part of the New York Province, which, because of its large membership and because its colleges are near each other, is easily the most active Province of the Federation. The club presents to the student an excellent means of meeting others with similar interests and ideals.

Throughout the school year informal monthly meetings are held at which student problems and affairs of the day are discussed. Meetings are followed by dancing and entertainment.

Social events of the past year have included roller and ice skating parties, beach and theater parties, and bowling.

g. i. association

Do you remember the days when a discharge button at Cooper Union was a novelty? That wasn't so long ago. At the beginning of the school year, in September, the number of Veterans in both schools was comparatively small. However, the accelerated discharge program, and the benefits that the G.I. College student can derive through the G.I. Bill of Rights, kept the line in front of Professor Watson's office becoming longer and longer, and another, and then another ill-at-ease civilian could be seen roaming in the halls of Cooper.

Last year, the Admissions Office received an invitation from the temporary headquarters of the Gamma Iota Alpha, GI Association, located at Brooklyn Polytechnic Institute. The invitation suggested that a chapter be opened at Cooper Union. At that time the idea was postponed because of the small number of veterans attending Cooper. A little later, due to the steadily increasing number of G.I. students, the idea became feasible, and a group of veterans attending the Pre-engineering course of the Day School met to discuss it. They considered forming an independent group, in addition to joining one of the several existing G.I. Associations. After exploring all the different angles of the situation, they decided to form an association affiliated with Gamma Iota Alpha.

After contacting headquarters at "Poly", the Cooper Union Group was given the temporary status of "Iota Chapter of New York." Officers were elected: Arthur J. Eisenberg, President, Donald Nelson, Vice-President, and Eugene P. Stetz, Secretary.

Messrs. Stetz and Nelson represented the school at a national convention which was held in New York City during the Christmas recess. The purpose of the convention was to draft a permanent National Constitution to replace the temporary one then in use, and to formulate a national policy.

The second semester saw an even greater influx of Veterans into Cooper Union. Some entered with advanced standing, others in conjunction with the new pre-college refresher course given by the Engineering School.

Gamma Iota Alpha has received the permanent designation of Epsilon Chapter of New York, is in possession of a charter, and is presently occupied in organizing itself for the increasing membership.

Ruth Reiman—*Chairman*

Harold Grossman—
Vice-Chairman

Rita Schreiner—*Secretary*

Jean Spitzer
Edwin Cohen
Shirley Venit
Bernice Greenwald
Jerry Bentkowsky

ex post facto

Membership in Ex Post Facto is an honor bestowed upon those members of the CABLE staff who have made personal sacrifices of their precious free moments, to lend their untiring efforts to the task of editing and printing the CABLE. These diligent few prove themselves deserving of this reward by their meritorious work. To quote Bud Medon, Editor-in-Chief of the 1940 CABLE: "Those who remain are workers; those who resign are shirkers!"

As in the past, the process of separating the wheat from the chaff again cut down the number of the staff members to a small but diligent few soon after the beginning of the term. These have accepted willingly the challenge of the press and, though faced with numerous problems and obstacles, have sacrificed time and energy to help make the CABLE what it is. They are quite willing to endure the long hours of typing and clerical work when they might, like other less interested students, be home doing their schoolwork. This is, however, the sacrifice required of all who would take part in extra-activities.

The Ex Post Facto key is a treasured reminder to the wearer of time well spent, and efforts not made in vain, and is the coveted goal of all staff members.

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we acknowledge

We of the 1946 Cable Staff wish to express our appreciation to the many friends who have given so generously of their time, help and advice in the preparation of this yearbook.

We are especially indebted to Mr. Lassner, of the Comet Press for his valuable assistance; to Professor Embler, Dr. Buckingham, and the other members of the Humanities Department for the time spent in the final reading of our copy; to Professor Dowden of the Art School, whose constant interest and timely advice helped us to overcome many obstacles; to Mr. Westervelt; and to Miss Lieberman of Wana-maker's, for their cooperation in the photographic department; to Steven Zambito for his advice on technical matters; and to Mr. Thompson and Mr. Burk for their assistance.

We are also indebted to all those who have contributed anything at all, for we realize that without these individual touches, the CABLE would not be what it is.

THE 1946 CABLE STAFF.

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Cash in Vaults and Due from Banks	\$161,459,608.46
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Federal Reserve Bank Stock	1,050,000.00
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First Mortgages	6,297,567.16
Customers' Liability on Acceptances	119,619.36
49 Banking Houses	9,866,098.63
Other Real Estate	1.00
Accrued Interest Receivable	1,786,665.93
Other Assets	265,228.14
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LIABILITIES

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Bank's Liability on Acceptances	199,034.67
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Surplus	20,000,000.00
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